

JAMECO[®]

ELECTRONICS

Great Products, Awesome Prices!

Catalog 264 November 2006

Over 65,000 New Products Just Added!

See Our List of New & Expanded Manufacturers on Page 1

NTE

Rabbit Semiconductor Microchip

Semiconductors

MCD Fairchild Semiconductor

E-Lab Digital Diodes Incorporated

Velleman Lite-On BrightView OH Semiconductor Cypress

Dallas Semiconductor

Optoelectronics

ROHM ST Micro Zilog Anachip Parallax

Imagine Tools Vishay National Semiconductor

Ligitek Electronics Ledtech VCC

Panasonic Littelfuse Intersil Ohmite Intel

Integrated Circuits

ValuePro Triad Everlight XICOM CDE

Maxim Linear Technology Samsung

Clarostat Bourns

Passives

Renesas Dialight

Selden

Atmel Arles

Alpha

Texas Instruments

Raychem

CTS

Alpha Electronics

Avery Dennison

3M

AMP

Honeywell

Philips

Judd Wire

Raychem

Wire & Cable

Techflex Micron

More Choice

Panduit

Omron

Mountain Switch

Molex

Buchanan

Apem

Voltek

C&K

GC Electronics

AVX

Cinch

Heitrich

Crydom

Nichibo

Aromat

Cherry

Switchcraft

Interconnects

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Pontech

Electromechanical

Star Motor

Toyo

IPD Power

Volgen

Cherokee

EGE

Johnson Electric

P&B

Panaflo

ReliaPro

Delta

Power-One

Alcoswitch

Grayhill

Evercool

Lite-On

Power

Mean Well

Clare

Matsushita Motor

Fulltech

Hides

Sunon

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Artesyn

Pomona

RAF

Scott Edwards

Comair

Fans

Dantona

Speco Technologies

Instek

Beta Electric

Common Wealth

EE Tools

DataK

EZ Digital

Eutech

Metex

Wavetek

ITW Chemtronics

Capital

Xeltek

Test & Tools

Fluke

Electronic Design

Tech Spray

Weller

SainiPro

Hi-Lo

Mastech

Probe Master

Vector

Micro Engineering Labs

Wain

Xcelite

Bellin Dynamic Systems

Paveise

Pomona

99%
In-Stock
Availability

1-800-831-4242

www.Jameco.com

Over 65,000 New Products Just Added!



With the recent addition of over 65,000 new products to our web site, Jameco now offers more choice than ever!

**JUST ADDED!
OVER 65,000
NEW PRODUCTS**

We're growing our product line faster than any other distributor! Every day we push ourselves to the limits to bring you the best selection of products. The result? We now offer over 65,000 more products than we did just 90 days ago! Linear, programmable memory, gate arrays, controllers, microprocessors, flash and other semiconductors. Plus, you'll find a host of additional passives, interconnects and electromechanical devices. Be sure to take a close look at some of the name brands we just added to the right!

Jameco also makes it easy to find the products you're looking for. Simply go to our web site at www.Jameco.com, enter the part numbers you need in the search box and click on **Mfg #**. Our web site will locate the product you're looking for, provide you with stock information, pricing and quantity breaks.

And remember, Jameco is the only major electronics distributor to provide you a **real choice** in products. Yes, we're continually adding the name brands you use most often. And just as importantly, we also offer comparable-quality, money-saving Jameco house brands at substantially reduced prices; **typically 20-30%** below the name brands. So rather than offering a single class of name brands all at about the same price, Jameco offers you a **real choice** unavailable from other distributors. A choice of name brand products at awesome prices and Jameco house brands at even greater savings. Thumb through this catalog and see for yourself.

NEW & EXPANDED MANUFACTURERS

Aavid Thermalloy
AlcoSwitch
AMP
Amphenol Connex
Atmel
Augat
AVX
Bourns
Buchanan
Comair Rotron
Condor Power Supplies
CTS
Cypress Semiconductor
Dallas Semiconductor
Fairchild Semiconductor
Freescale Semiconductor
Grayhill
Intel
ITT C&K Switches
Lattice
Maxim Semiconductor
Microchip Corporation
Micron Technology
Molex
National Semiconductor
Panasonic Corporation
Philips Semiconductor
Power-One
Renesas Technology
SanDisk Corporation
ST Micro
T.I.
Toshiba
Tyco Electronics
Vishay Intertechnology

Check Out All the Great New Products in This Catalog!

Don't forget to check out the rest of this catalog too! In the next few pages, you'll find a broad array of products from Passives to IC's, from enclosures to heat shrink tubing, even Power-over-Ethernet products. So be sure to flip through this catalog today and learn about all the new opportunities for savings at Jameco Electronics!

We've added some of the most popular semiconductors including Dallas/Maxim, Microchip, Micron, National, Philips, ST Micro, and Texas Instruments. We've also expanded our popular Jameco Value Offering, allowing

those that do not need a specific brand to save up to 30%!

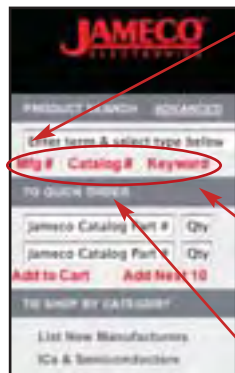
We've also added numerous Passive, Interconnect and Electromechanical devices from popular manufacturers including Aavid, Amp, Amphenol, Belden, Bourns, Cinch, Comair Rotron, Grayhill, Leoco, Littelfuse, Matrix Orbital, Mean Well, Molex, Platt, Power-One, Serpac and Sunon.

And don't forget to thumb through the rest of the catalog for 10's of thousands of professional-quality electronic components, all guaranteed to be at the lowest prices. No haggle and no fuss. Just great products at awesome prices!

NEW

New Web Search Capabilities!

Our search engine has been updated, allowing you to request specific manufacturer part numbers, a Jameco SKU number or a keyword cross-reference.



Mfg

To search by manufacturer number, just enter the number in the text box shown on the left and click on Mfg #. Jameco's web site will display all matching products we offer, regardless of manufacturer. Enter a portion of the part number and you'll get all the devices that contain that text.

Keyword

To find products containing a specific keyword, simply enter the text and click on Keyword. This search will also return applicable cross references.

Catalog

Looking for a specific SKU from Jameco's catalog? Simply enter the number into the text box and click on Catalog #. Jameco's web site will return the exact Manufacturer and Part Number referred to in the catalog.

Check Out These Money Saving Sample Price Comparisons*

Take a look through this sampling of recent price differences among our competitors, and take advantage of the substantial savings! Pricing will fluctuate, so please be sure to double-check when making purchases. But always remember, with Jameco you'll always get the lowest price! GUARANTEED!

Product Description	Jameco® Part No.	Jameco Page #	Jameco® Price	Digi-Key® Corp.	Mouser® Electronics	Newark InOne®	Minimum Savings	Discount
Cap, Tant, 1uf, 16V, 10%, SMD3216	544981CG	80	\$0.22	\$0.44	\$0.32	\$0.345	\$0.10	31.3%
Capacitor, Mica, 1nF, 100V, 5%	16011CG	75	\$1.19	\$3.80	N/A	\$1.90	\$0.71	37.4%
Cermet Pot, 50k, 3362P-503	254027CG	91	\$0.59	\$0.83	\$0.70	\$0.83	\$0.11	15.7%
Connector, BNC, Amphenol 31-2221	223538CG	158	\$2.89	\$4.64	\$3.90	\$4.26	\$1.01	25.9%
Connector, Molex, 10-11-2083, 8 pin	516277CG	138	\$0.30	\$0.63	\$0.92	\$0.37	\$0.07	18.9%
EEPROM, 24C01128x8, DIP	276592CG	15	\$0.36	\$0.45	\$0.48	\$0.72	\$0.09	20.0%
Fan, 16.6CFM, 2.36" sq. x 0.6", 24VDC	421518CG	221	\$8.09	\$10.00	\$11.09	\$9.68	\$1.59	16.4%
Logic, 74ACT138, DIP	212038CG	20	\$0.25	\$0.68	\$0.67	\$0.46	\$0.21	45.7%
Logic, 74AHC374, DIP	214210CG	21	\$0.44	\$0.66	N/A	\$0.66	\$0.22	33.3%
MOC3010 Opto-isolator	26278CG	51	\$0.56	\$0.79	\$0.58	\$0.821	\$0.02	3.4%
Relay, 4PDT, 5A, 12 VDC	291506CG	209	\$4.45	\$7.87	\$7.07	\$7.09	\$2.62	37.1%
Term Block, 20 pos, Molex 38770-0120	659534CG	165	\$3.95	\$9.27	\$4.87	\$5.16	\$0.92	18.9%
Toroid, 150uH, Vertical	208320CG	93	\$4.35	\$5.25	\$6.03	\$5.34	\$0.90	17.1%
Wire, 18AWG, Std, Blk, UL1007	125786CG	109	\$5.79	\$40.16	\$25.14	\$37.82	\$19.35	77.0%

* This chart is a snapshot of single-unit prices taken from each party's website on September 7, 2006. Prices shown do not reflect added shipping & handling charges or any available discounts.

Contact Information

Order Desk 24/7, 365 Days a Year

Phone: 1-800-831-4242

Fax: 1-800-237-6948

E-mail: Sales@Jameco.com

Technical Support

Phone: 1-800-831-4242

E-mail: Tech@Jameco.com

Customer Service

Phone: 1-800-831-4242

E-mail: CustService@Jameco.com

Credit Department

Phone: 650-592-8097

E-mail: Credit@Jameco.com

International Order Desk

Phone: 650-592-8097

Fax: 650-592-2503

E-mail: International@Jameco.com

International Toll-Free Fax

Colombia: 980-9-136748

Mexico: 001-800-593-1449

Indonesia: 1-803-015-237-6948

Brazil: 000-817-455-6119

New Zealand: 080-044-0470

The Jameco RobotStore

Phone: 1-800-374-5764

Website: www.RobotStore.com

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PRICES

Prices are effective 10-09-06.

Prices and discounts are subject to change without notice.

#1 Availability in the Industry!



**If you need it
fast, remember
Jameco!**

Over 99% of this catalog's products are in stock, so you can rest assured there will be no delays. We believe this service level is unmatched by anyone in the industry. Not even close!

And, when you shop at Jameco, you're assured your products get to you faster! For starters, you can place your order with a live person, not just voice mail, any time of day or night. And yes, we're there 24/7/365 to take your order by phone, fax, web or email, whichever is most convenient for you!

Place an order for any item in this catalog before 6 PM EST and we'll ship it out the same day! No questions asked, and no priority charges.

Belden PowerSense™ Power-Over-Ethernet Products

Belden PowerSense technology allows IP Telephones, Wireless LAN access points, Security cameras and other enterprise terminals, to safely receive power over standard Category 5, 5e or 6 LAN cabling without modification to existing infrastructure. Turn to [page 282](#) to find out more!

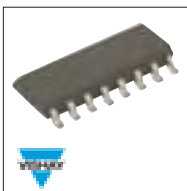


Expanded RF Connectors Selection!

Now you'll find a bigger selection of Amphenol Connex SMA and Type N connectors at Jameco! Turn to [pages 159-161](#) and find the specific device your project requires.

Xeltek Programmable

Looking for an ultra-fast device programmer that supports over 30,000 IC devices from 162+ manufacturers? Our latest additions from Xeltek offer USB connectivity for engineering and a stand-alone mode for production. Be sure to check out [page 330](#) for more info!



Vishay/Siliconix Linear Products

Vishay/Siliconix leads the industry in the efficiency of power and analog switching circuitry. Now you can find their Linear products at Jameco! Be sure to check out [page 41](#) for a sampling of their analog switches, mux's and more!

Comair Rotron Fans



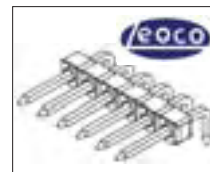
Now you can purchase Comair Rotron fans from Jameco. We have a broad selection of Sprite, Muffin XL, Caravel and Tarzan lines in flame-retardant polypropylene

and polycarbonate frames on [page 222](#).



Leoco Breakaway Headers

Jameco now offers Leoco's 2556 and 2557 series of breakaway headers with tin or gold plated pins. Leoco offers a variety of pin heights in straight and right-angle configurations. Be sure to go to [page 136](#) for details.



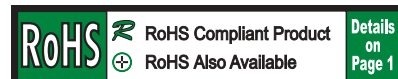
ST Micro EPROMs

Now you can get ST Micro's M27C line of

64kb to 8Mb EPROMs from Jameco! Check out [page 15](#) for a sampling of the many new products we just added to our web site.

RoHS Compliant Products

Jameco brings you even more CHOICE! Yes, we'll continue to be your prime source for the *lowest-priced* legacy products, and now over 80% of the products in this catalog are available in RoHS compliant versions for those shipping product to the European Union!



Products are coded for your convenience. RoHS compliant products are marked with the **R**. Many other products have a **+** to indicate both compliant and non-compliant versions are available. Simply add an **R** to the beginning of the non-compliant Part Number shown and you'll get the RoHS equivalent product at the best available market price.

Need more RoHS information? Visit our web site at www.Jameco.com/RoHS.

Products throughout the catalog and web site are identified as RoHS compliant. Based on information provided solely by our suppliers, identified products do not contain the substances prohibited by the European Community Directive (2002/95/EC) on the Restriction of the use of certain Hazardous Substances, commonly known as the RoHS Directive, at levels in excess of the anticipated maximum concentration values. Since not all member states of the European Community have implemented the RoHS Directive into their national law as of the printing of this catalog, the foregoing represents our understanding of how the law is likely to be implemented. Jameco obtains RoHS compliance status solely from its suppliers and does not verify or confirm such status.

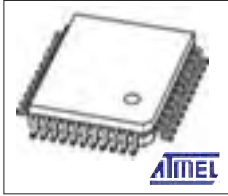
www.Jameco.com

Our enhanced website offers over 65,000 new products!

Find products quickly and order them easily.

Atmel P87 Family Microcontrollers

Jameco has added many of Atmel's CMOS processors to our lineup. We now offer many of Atmel's products based on the 8051 Architecture. Check out [page 11](#) for a sampling of the products you can now get from Jameco.



#1 Prices in the Industry!

Everyone saves, and saves big with Jameco Electronics. Guaranteed!

For years, Jameco has offered a solid price guarantee that no one seems to dispute. Why don't the other electronic components catalogers challenge it? We think because they can't; the Jameco price guarantee is just that good! Simply stated, Jameco has the lowest prices you'll find in any catalog or advertisement—period. *We guarantee it!*

So if you ever run into a print-advertised price that's lower than an identical item in our catalog, we'll not only match the lower price, we'll beat it by an additional 10%, right down to our cost. No fine print, and no questions asked!



Grayhill DIP Switches

Grayhill is the world leader in DIP switch production and technology. Now you can find their 76, 78, 90B and 94H series products in this catalog! Turn to [page 202](#) for piano, raised-rocker and rotary configurations.



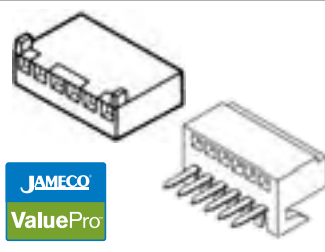
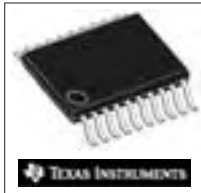
Matrix Orbital Serial LCD Displays

Check out [pages 268 & 269](#) for our greatly expanded line of Matrix Orbital serial LCDs. These new devices, available in both standard and extended temperature ranges, can daisy-chain up to 127 devices on the same 2-wire interface. Some also include a switching power supply, which will accommodate up to 155 VDC power sources.



Microcontrollers & DSPs from Texas Instruments

Now you'll find TI's 16-bit ultra low-power microcontrollers at Jameco! We also have their de-facto TMS320 series of digital signal processors. Be sure to go to [page 9](#). You'll find a sampling of the Texas Instruments selection we now have available on the web!

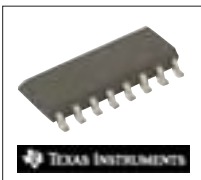


0.1" Pitch PCB Connectors & Crimp Terminal Housings

Jameco ValuePro offers RoHS compliant devices for about 20 to 30% less than their name brand equivalent in both bottom entry and top entry configurations. Gold and tin crimp terminals are available. Check out [pages 134-135](#) for more details.

Power IC's from TI

Whether you need Darlington transistor arrays, PWM switchers or DC-to-DC converters, know that you can get them from Jameco. Go to [page 42](#) for a sampling of the literally thousands of Texas Instruments products available on our web site!



30-Day Money-Back Guarantee

Both!
Popular Brands
+
Generic Equivalents
for Greater Savings

Are you taking advantage of the choice?

a **Real Choice** unavailable from other distributors.

Jameco makes comparisons easier too! We offer side-by-side listings, allowing you to compare like products on the same catalog page. Whether you need a name brand or the extra savings of Jameco's house brand, you are able to easily compare the products and prices. At Jameco, **Real Choice** has real value.

#1 Choice in the Industry!

Jameco is very different; a good different. In addition to offering popular name brands at the lowest prices for BOMs and AVLs that require them, we also offer in-house brands for additional savings. We strive to provide you with **Real Choice**. Instead of offering several different brands of the same product, all priced about the same, and all of about the same specification, we offer a **Real Choice**.

We offer professional-grade Jameco house brands of non-semiconductor products at substantially reduced prices; typically 20-30% below popular name brands. Instead of offering multiple name brands of a single-class, all at about the same price, Jameco gives you



New! Custom-Configured Modular Mean Well Power Supplies!

Custom Power Supplies... Your Needs... Your Design

Looking for a supply with unique voltage or current requirements? How about more than four outputs? Now Jameco offers Mean Well's Modular power supplies, custom-configured at the factory to your specific needs, with up to 14 isolated outputs.

There are thousands of combinations available for the modular series. This solution provides engineers with one of the fastest ways to procure custom-configured power supplies with safety and EMC certificates.

Check out [page 238](#) for more details and then give us a call! We'll typically ship prototype to manufacturing quantities in just a couple of weeks!

These modular power supplies are custom orders.

For all inquiries including specific lead times, please contact Jameco's Power Supply Department at 1-800-794-9100 ext. 3.



Mean Well Power Supplies

We just expanded our selection of Mean Well power supplies to include their ultra-miniature, U-bracket, and enclosed lines up to 1,500 Watts. Most have universal input for international line compatibility and power factor correction to maximize performance. Be sure to review [pages 225-239](#) for all of our additions!

Power-one Power Supplies

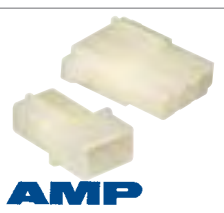
Jameco now offers Power-one linear power supplies and DC-DC converters. Just go to [pages 241 & 242](#) for more information. Don't forget to visit our web site for a more complete selection. Just enter the specific part number you're looking for in the search box!



Platt Professional Cases

Platt is a world leader in the manufacture of tool carrying cases. The cases are made to last, to be secure, to be shippable and to fit a multitude of individual needs.

Be sure to check out the many configurations Jameco now offers, including wheeled, heavy-duty and cart configurations on [page 307](#).



Commercial MATE-N-LOK™ Connectors

Now you can purchase AMP MATE-N-LOK™ connectors from Jameco! Turn to [page 148](#) for a full selection of single and dual-row devices. You'll find in-line, PCB in-line, motor-mount and panel-mount configurations for your specific application.

SerPac Electronic Project Enclosures

SerPac is a leading manufacturer of electronic enclosures. Now you can find their extensive product range in this catalog. Be sure to turn to [page 327](#) for desktop, handheld, waterproof and even keychain designs!



Alpha Polyolefin Heat Shrink Tubing

Jameco now offers Alpha's FIT-221B series heat shrink tubing. This Polyolefin-based tubing with a 2:1 shrink ratio is resistant to fungus and UV light, so you can be sure your connections are protected from the environment. Black and clear tubing is available on [page 119](#).



Littelfuse Glass and Ceramic Fuses

Jameco now offers a broad range of 3AG glass and 3AB ceramic fast-acting fuses to protect your circuits. [Page 98](#) includes 312, 313 and 314 series devices from the de-facto name in short-circuit protection.



3/4" Rectangular Multi-Turn Cermet Trimming Side Adjustment (±10%)

3006P Series, 3/4W, Y Layout Solder Pins

- Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact resistance variation: 1% or 1Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.75W @ 70°C (300V max.)



NEW

Qty.	1	10	100
Price	\$1.22	\$1.18	\$1.13

Part No.	Product No.	Ohms
695990CG	3006P-1-101♣	100
696001CG	3006P-1-102♣	1k
696010CG	3006P-1-103♣	10k
696028CG	3006P-1-104♣	100k
696036CG	3006P-1-105♣	1M
696044CG	3006P-1-201♣	200
696052CG	3006P-1-202♣	2k
696061CG	3006P-1-203♣	20k
696079CG	3006P-1-204♣	200k
696087CG	3006P-1-501♣	500
696095CG	3006P-1-502♣	5k
696108CG	3006P-1-503♣	50k
696116CG	3006P-1-504♣	500k



1/4" Square, Multi-Turn Trimming Side Adjustment (±10%)

- 1/4 Watt
- Resistance tolerance: ±10%
- Y-layout solder pins
- Sealed cermet
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact resistance variation: 3% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70°C (300V max.)

NEW



3266X



3266W

3266W Series

Part No.	Product No.	Ohms
696343CG	3266W-1-101♣	100
696351CG	3266W-1-102♣	1k
696360CG	3266W-1-103♣	10k
696378CG	3266W-1-104♣	100k
696386CG	3266W-1-105♣	1M
696394CG	3266W-1-201♣	200
696407CG	3266W-1-202♣	2k
696415CG	3266W-1-203♣	20k
696423CG	3266W-1-204♣	200k
696431CG	3266W-1-501♣	500
696440CG	3266W-1-502♣	5k
696458CG	3266W-1-503♣	50k
696466CG	3266W-1-504♣	500k

3266X Series

Part No.	Product No.	Ohms
696474CG	3266X-1-102♣	1k
696482CG	3266X-1-103♣	10k
696491CG	3266X-1-104♣	100k
696503CG	3266X-1-202♣	2k
696511CG	3266X-1-203♣	20k
696520CG	3266X-1-501♣	500
696538CG	3266X-1-502♣	5k
696546CG	3266X-1-503♣	50k

Order Anytime,
Day or Night

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242



Standard & SMD LEDs

See pages 52 – 57 for more LEDs

NEW

* See pg 52 for figures
* Minimum order 10 pieces

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter Inch/mm	Dimensions		Lead Spacing	Typical v _f	Typical mcd	WaveLength nm	Viewing Angle	Pricing		
							A"	B"						1	10	100
697514CG	LTL-2935JW ♣	6	Red/Yellow	Clear	T1	0.119/3	0.18	1.0	0.1	2.0	15	635/585	—	\$.24	\$.235	\$.229
697670CG	LTL-4251 ♣	1	Yellow	Diffused	T1	0.119/3	0.18	1.0	0.1	2.1	8.7	585	40	*	.042	.041
697688CG	LTL-4251N ♣	1	Yellow	Yellow diffused	T1	0.119/3	0.18	1.0	0.1	2.1	5.6	585	60	*	.042	.041
697565CG	LTL-4211N ♣	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	*	.042	.041
697581CG	LTL-4221 ♣	1	Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	40	*	.042	.041
697590CG	LTL-4221N ♣	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	*	.042	.041
697629CG	LTL-4231 ♣	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	*	.042	.041
697637CG	LTL-4231N ♣	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	*	.042	.041
697645CG	LTL-4232N ♣	1	Green	Transparent	T1	0.119/3	0.18	1.0	0.1	2.1	40	565	45	*	.056	.054
697549CG	LTL-307Y ♣	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	29	585	—	*	.042	.041
697696CG	LTL-4253 ♣	1	Yellow	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	585	36	*	.042	.041
697709CG	LTL-4254 ♣	1	Yellow	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	90	585	16	*	.042	.041
697522CG	LTL-307E ♣	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	19	635	50	*	.042	.041
697602CG	LTL-4223 ♣	1	Red	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	19	635	36	*	.042	.041
697611CG	LTL-4224 ♣	1	Red	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	90	635	16	*	.029	.028
697557CG	LTL-30EFJ ♣	1	Red/Green	Bi-color diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	5.6/19	697/565	30	.20	.193	.187
697573CG	LTL-4213 ♣	1	Red/Green	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	3.7	697	36	*	.042	.041
697531CG	LTL-307G ♣	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	565	50	*	.042	.041
697653CG	LTL-4233 ♣	1	Green	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	565	36	*	.042	.041
697661CG	LTL-4234 ♣	1	Green	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	60	565	16	*	.029	.028
697717CG	LTL-523-11 ♣	13	Hi-eff Red	Red diffused (PCB mnt indicator)	—	0.189/4.8	0.13	0.35	0.1	2.0	60	635	60	*	.141	.137
697725CG	LTL-533-11 ♣	13	Green	Green diffused (PCB mnt indicator)	—	0.189/4.8	0.13	0.35	0.1	2.1	40	565	60	*	.166	.112
697813CG	LTST-C190YKT ♣	12	Yellow	Clear	SMD 0603	—	0.03	0.06	—	2.1	6	585	130	*	.072	.065
697805CG	LTST-C190GKT ♣	12	Green	Water clear	SMD 0603	—	0.03	0.06	—	2.1	6	565	130	*	.064	.058
697792CG	LTST-C170YKT ♣	12	Yellow	Clear	SMD 0805	—	0.05	0.05	—	2.1	2	585	130	*	.087	.084
697784CG	LTST-C170KRKT ♣	12	Red	Water clear	SMD 0805	—	0.05	0.08	—	2.0	54	639	130	*	.087	.084
697768CG	LTST-C170GKT ♣	12	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.1	6	565	130	*	.087	.084
697776CG	LTST-C170GKKT ♣	12	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.0	35	574	130	*	.087	.084
697848CG	LTST-S220GKT ♣	12	Green	Clear	SMD 0805	—	0.05	0.08	—	2.1	10	565	130	*	.087	.084
697733CG	LTST-C150CKT ♣	12	Red	Clear	SMD 1206	—	0.06	0.13	—	1.8	25	660	130	*	.087	.084
697741CG	LTST-C150GKT ♣	12	Green	Water clear	SMD 1206	—	0.06	0.13	—	2.1	6	565	130	*	.087	.084
697750CG	LTST-C150KRKT ♣	12	Red	Water clear	SMD 1206	—	0.06	0.13	—	2.0	54	639	130	*	.087	.084
697821CG	LTST-C930GKKT ♣	15	Green	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	600	574	25	*	.145	.14
697830CG	LTST-C930KRKT ♣	15	Red	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	850	639	130	*	.145	.14

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

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PIC Microcontrollers

DIP



SOIC



Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
145058CG	PIC12C509A/JW	DIP-8	EPROM	4	1k	41	5	\$12.69	\$11.54
200521CG	PIC18C452/JW	DIP-40	EPROM	40	32k	1536	23	21.49	20.60
310973CG	PIC10F200-I/P	DIP-8	Flash	4	384	16	4	.88	.82
310981CG	PIC10F202-I/P	DIP-8	Flash	4	768	24	4	1.03	.94
311010CG	PIC10F204-I/P	DIP-8	Flash	4	384	16	4	1.02	.94
311028CG	PIC10F206-I/P	DIP-8	Flash	4	768	24	4	1.16	1.08
145111CG	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13	6.59	4.39
145120CG	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13	7.09	6.49
223790CG	PIC12F629-I/P	DIP-8	Flash	20	1k	64	6	1.49	1.25
247193CG	PIC12F629-I/SN	SOIC-8	Flash	20	1k	64	6	1.59	1.41
312493CG	PIC12F635-I/P	DIP-8	Flash	20	2k	64	6	1.79	1.66
312506CG	PIC12F635-I/SN	SOIC-8	Flash	20	2k	64	6	1.79	1.66
223781CG	PIC12F675-I/P	DIP-8	Flash	20	1k	64	6	1.69	1.07
247206CG	PIC12F675-I/SN	SOIC-8	Flash	20	1k	64	6	1.95	1.66
312514CG	PIC12F683-I/P	DIP-8	Flash	20	4k	128	6	2.19	2.05
312522CG	PIC12F683-I/SN	SOIC-8	Flash	20	4k	128	6	2.19	2.05
323096CG	PIC16F505-I/P	DIP-14	Flash	20	1k	72	12	1.65	1.49
312531CG	PIC16F54-I/P	DIP-18	Flash	20	512	25	12	1.79	1.73
312549CG	PIC16F54-I/SO	SOIC-18	Flash	20	512	25	12	1.79	1.73
312557CG	PIC16F57-I/P	DIP-28	Flash	20	2k	72	20	2.39	2.29
312565CG	PIC16F57-I/SO	SOIC-28	Flash	20	2k	72	20	2.29	2.21
193439CG	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16	3.29	2.88
193447CG	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.49	2.52
246730CG	PIC16F628-20/SO	SOIC-18	Flash	20	2k	224	16	3.69	2.88
246748CG	PIC16F628-20/SS	SSOP-20	Flash	20	2k	224	16	3.09	2.82
246756CG	PIC16F628-20I/P	DIP-18	Flash	20	2k	224	16	4.05	3.15
246764CG	PIC16F628-20I/SO	SOIC-18	Flash	20	2k	224	16	3.39	3.17
223749CG	PIC16F630-I/P	DIP-14	Flash	20	1k	64	12	1.89	1.67
247126CG	PIC16F630-I/SL	SOIC-14	Flash	20	1k	128	12	1.85	1.65
247134CG	PIC16F630-I/ST	TSSOP-14	Flash	20	1k	128	12	1.95	1.85
312573CG	PIC16F636-I/P	DIP-14	Flash	20	2k	128	12	2.09	1.91
312581CG	PIC16F636-I/ST	TSSOP-14	Flash	20	2k	128	12	2.19	2.05
247142CG	PIC16F648A-I/P	DIP-18	Flash	20	4k	256	16	3.25	2.55
247151CG	PIC16F648A-I/SO	SOIC-18	Flash	20	4k	256	16	2.95	2.58
247169CG	PIC16F648A-I/SS	SSOP-20	Flash	20	4k	256	16	3.05	2.80
223757CG	PIC16F676-I/P	DIP-14	Flash	20	1k	64	12	2.39	1.40
247177CG	PIC16F676-I/SL	SOIC-14	Flash	20	1k	64	12	2.15	1.95
247185CG	PIC16F676-I/ST	TSSOP-14	Flash	20	1k	64	12	2.35	2.10
312590CG	PIC16F684-I/P	DIP-14	Flash	20	2k	128	12	2.25	1.85
312602CG	PIC16F684-I/ST	TSSOP-14	Flash	20	2k	128	12	2.59	2.39
312611CG	PIC16F688-I/P	DIP-14	Flash	20	4k	256	12	2.79	2.59
312629CG	PIC16F688-I/ST	TSSOP-14	Flash	20	4k	256	12	3.05	2.79
312637CG	PIC16F716-I/P	DIP-18	Flash	20	2k	128	13	2.35	2.17
312645CG	PIC16F716-I/SO	SOIC-18	Flash	20	2k	128	13	2.35	2.17
312653CG	PIC16F72-I/SP	DIP-28	Flash	20	2k	128	13	2.05	2.00
312688CG	PIC16F737-I/SO	SOIC-28	Flash	20	4k	368	25	5.55	4.75
312670CG	PIC16F737-I/SP	DIP-28	Flash	20	4k	368	25	5.39	4.65
246801CG	PIC16F73-I/SO	SOIC-28	Flash	20	4k	192	22	4.85	4.55
193391CG	PIC16F73-I/SP	DIP-28	Flash	20	4k	192	5	5.19	4.22
246810CG	PIC16F73-I/SS	SSOP-28	Flash	20	4k	192	22	4.95	4.65
312696CG	PIC16F747-I/P	DIP-40	Flash	20	4k	368	36	6.45	5.45
246772CG	PIC16F74-I/L	PLCC-44	Flash	20	4k	192	33	6.39	5.79
193404CG	PIC16F74-I/P	DIP-40	Flash	20	4k	192	8	6.19	5.47
246781CG	PIC16F74-I/SP	TQFP-44	Flash	20	4k	192	33	6.85	6.60
312717CG	PIC16F767-I/SO	SOIC-28	Flash	20	8k	368	25	6.69	5.63
312709CG	PIC16F767-I/SP	DIP-28	Flash	20	8k	368	25	6.29	5.38
246828CG	PIC16F76-I/SO	SOIC-28	Flash	20	8k	368	22	5.85	5.65
193412CG	PIC16F76-I/SP	DIP-28	Flash	20	8k	368	5	6.49	5.65
246836CG	PIC16F76-I/SS	SSOP-28	Flash	20	8k	368	22	5.99	5.79
312725CG	PIC16F777-I/P	DIP-40	Flash	20	8k	368	36	6.55	6.05
246799CG	PIC16F77-I/L	PLCC-44	Flash	20	8k	368	33	7.55	7.35
193421CG	PIC16F77-I/P	DIP-40	Flash	20	8k	368	8	5.25	4.79
223765CG	PIC16F818-I/P	DIP-18	Flash	20	1k	128	16	2.75	2.36
247054CG	PIC16F818-I/SO	SOIC-18	Flash	20	1k	128	16	2.75	2.45

Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

PIC Microcontrollers										
SSOP PLCC										
Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25	
247062CG	PIC16F818-I/SS	SSOP-20	Flash	20	1k	128	16	\$2.95	\$2.62	
223773CG	PIC16F819-I/P	DIP-18	Flash	20	2k	256	16	2.85	2.29	
247090CG	PIC16F819-I/SO	SOIC-18	Flash	20	2k	256	16	3.55	2.75	
247071CG	PIC16F819-I/SS	SSOP-20	Flash	20	2k	256	16	3.35	2.95	
193332CG	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	5.59	4.66	
246844CG	PIC16F84A-20/SO	SOIC-18	Flash	20	1k	68	13	5.45	5.15	
246852CG	PIC16F84A-20/SS	SSOP-20	Flash	20	1k	68	13	5.95	5.75	
246861CG	PIC16F84A-20I/P	DIP-18	Flash	20	1k	68	13	6.25	5.55	
246879CG	PIC16F84A-20I/SO	SOIC-18	Flash	20	1k	68	13	5.85	5.65	
246887CG	PIC16F84A-20I/SS	SSOP-20	Flash	20	1k	68	13	6.55	6.30	
246908CG	PIC16F870-I/SO	SOIC-28	Flash	20	2k	128	22	4.05	3.90	
246895CG	PIC16F870-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.05	
246916CG	PIC16F870-I/SS	SSOP-28	Flash	20	2k	128	22	4.25	4.00	
246932CG	PIC16F871-I/L	PLCC-44	Flash	20	2k	128	33	5.85	5.68	
246924CG	PIC16F871-I/P	DIP-40	Flash	20	2k	128	33	5.15	4.25	
246959CG	PIC16F872-I/SO	SOIC-28	Flash	20	2k	128	22	4.05	3.88	
246941CG	PIC16F872-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.73	
246967CG	PIC16F872-I/SS	SSOP-28	Flash	20	2k	128	22	4.15	4.00	
246975CG	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.50	
247003CG	PIC16F874A-I/L	PLCC-44	Flash	20	4k	192	33	7.35	7.10	
246991CG	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	6.75	6.00	
193367CG	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	6.79	4.85	
247020CG	PIC16F876A-I/SO	SOIC-28	Flash	20	8k	368	22	6.05	5.95	
247011CG	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	6.19	4.17	
176882CG	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.29	8.05	
247046CG	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.15	7.65	
247038CG	PIC16F877A-I/P	DIP-40	Flash	20	8k	368	33	7.25	4.80	
247097CG	PIC16F87-I/P	DIP-18	Flash	20	4k	368	16	3.39	3.15	
247100CG	PIC16F87-I/SO	SOIC-18	Flash	20	4k	368	16	3.45	3.19	
247118CG	PIC16F87-I/SS	SSOP-20	Flash	20	4k	368	16	3.85	3.69	
312733CG	PIC16F88-I/P	DIP-18	Flash	20	7k	368	16	4.15	3.05	
312741CG	PIC16F88-I/SO	SOIC-18	Flash	20	7k	368	16	3.59	3.42	
248090CG	PIC18F1220-I/P	DIP-18	Flash	40	2k	256	16	4.35	3.89	
248102CG	PIC18F1220-I/SP	SOIC-18	Flash	40	2k	256	16	4.15	3.95	
248111CG	PIC18F1320-I/P	DIP-18	Flash	40	4k	256	16	4.89	4.40	
248129CG	PIC18F1320-I/SP	SOIC-18	Flash	40	4k	256	16	4.65	4.40	
311861CG	PIC18F2220-I/SP	DIP-28	Flash	40	4k	512	25	6.69	6.15	
311917CG	PIC18F2320-I/SP	SOIC-28	Flash	40	8k	512	25	7.05	6.65	
311984CG	PIC18F2331-I/SP	SOIC-28	Flash	40	8k	512	25	7.79	7.17	
311950CG	PIC18F2331-I/SP	DIP-28	Flash	40	8k	768	24	7.85	7.21	
247986CG	PIC18F242-I/SP	SOIC-28	Flash	40	8k	768	23	7.39	6.61	
247978CG	PIC18F242-I/SP	DIP-28	Flash	40	8k	768	23	7.39	6.61	

Blue Part No. = Limited Quantity Available

Programming & Customizing PICmicro Microcontrollers

Second Edition

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. Shows what happens within the PICmicro® when an instruction is executed and how it interfaces with external devices. (1190 pages, 2001)

Includes: PIC PCB

Part No.	Description	Size	Wt. (lbs.)	Price
183046CG	PICmicro Programming	9.2" x 7.3"	4.0	\$49.95

Easy Microcontrol'n

Beginners Guide (Version 4)

Square 1 Electronics A revision of and successor to Easy PIC'n that covers Peripheral Interface Controller (PIC) PIC16F84, writing programs, interrupts, timing and counting. (178 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
215061CG	Easy Microcontrol'n	8.5" x 11"	1.2	\$34.95

PIC Microcontrollers										
DIP SOIC										
Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25	
312098CG	PIC18F2431-I/SP	SOIC-28	Flash	40	16k	768	24	\$8.05	\$7.45	
312071CG	PIC18F2431-I/SP	DIP-28	Flash	40	16k	768	24	8.09	7.90	
312274CG	PIC18F2439-I/SP	SOIC-28	Flash	40	12k	640	21	7.09	6.79	
312231CG	PIC18F2439-I/SP	DIP-28	Flash	40	12k	640	21	7.09	6.79	
312291CG	PIC18F248-I/SP	SOIC-28	Flash	40	16k	768	22	8.49	7.85	
312282CG	PIC18F248-I/SP	DIP-28	Flash	40	16k	768	22	8.49	8.15	
312311CG	PIC18F2525-I/SP	SOIC-28	Flash	40	48k	3986	25	8.75	7.70	
312303CG	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.05	8.31	
248006CG	PIC18F252-I/SP	SOIC-28	Flash	40	16k	1536	23	8.05	7.20	
247994CG	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.05	6.60	
312346CG	PIC18F2539-I/SP	SOIC-28	Flash	40	24k	1408	21	7.75	7.10	
312338CG	PIC18F2539-I/SP	DIP-28	Flash	40	24k	1408	21	7.69	7.40	
248022CG	PIC18F258-I/SP	SOIC-28	Flash	40	16k	1536	23	9.65	8.62	
248014CG	PIC18F258-I/SP	DIP-28	Flash	40	16k	1536	23	9.65	8.62	
312400CG	PIC18F4220-I/P	DIP-40	Flash	40	4k	512	36	7.15	7.05	
312426CG	PIC18F4320-I/P	DIP-40	Flash	40	8k	512	36	7.95	7.70	
312434CG	PIC18F4331-I/P	DIP-40	Flash	40	8k	768	36	8.55	7.86	
248081CG	PIC18F442-I/L	PLCC-44	Flash	40	8k	768	34	8.99	8.63	
248073CG	PIC18F442-I/P	DIP-40	Flash	40	8k	768	34	7.75	7.35	
312451CG	PIC18F4431-I/P	DIP-40	Flash	40	16k	768	36	8.85	8.60	
312442CG	PIC18F4439-I/P	DIP-40	Flash	40	12k	640	32	7.89	7.55	
312477CG	PIC18F448-I/L	PLCC-44	Flash	40	16k	768	33	9.65	9.47	
312469CG	PIC18F448-I/P	DIP-40	Flash	40	16k	768	33	8.69	8.34	
248049CG	PIC18F452-I/L	PLCC-44	Flash	40	16k	1536	34	10.29	9.26	
248031CG	PIC18F452-I/P	DIP-40	Flash	40	16k	1536	34	8.85	7.59	
312485CG	PIC18F4539-I/P	DIP-40	Flash	40	24k	1408	32	8.55	8.30	
248065CG	PIC18F458-I/L	PLCC-44	Flash	40	16k	1536	34	10.55	10.05	
248057CG	PIC18F458-I/P	DIP-40	Flash	40	16k	1536	34	9.25	7.05	
145040CG	PIC12C508A-04/P	DIP-8	OTP	4	512	25	5	1.49	.99	
144258CG	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09	
193455CG	PIC12C671-04/P	DIP-8	OTP	4	1k	128	6	2.39	2.17	
193463CG	PIC12C672-04/P	DIP-8	OTP	4	2k	128	6	2.79	2.44	
200475CG	PIC12518-04/P	DIP-8	OTP	4	512	25	6	1.69	1.55	
200483CG	PIC12519-04/P	DIP-8	OTP	4	1k	41	6	1.75	1.59	
247370CG	PIC14000-4/SP	SOIC-28	OTP	4	4k	192	22	11.65	11.64	
247361CG	PIC14000-4/SP	DIP-28	OTP	4	4k	192	22	11.99	11.45	
128338CG	PIC16C54A-04/P	DIP-18	OTP	4	512	25	12	2.25	2.02	
247388CG	PIC16C554-4/P	DIP-18	OTP	4	512	80	13	3.75	3.73	
247396CG	PIC16C554-4/SP	SOIC-18	OTP	4	512	80	13	3.85	3.80	
200416CG	PIC16C55A-04/P	DIP-28	OTP	4	512	24	20	2.39	2.25	
193341CG	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	2.79	1.93	
193383CG	PIC16C622A-04/P	DIP-18	OTP	4	2k	128	13	2.65	2.40	
200424CG	PIC16C66-04/SP	DIP-18	OTP	4	8k	368	22	5.19	4.74	
193359CG	PIC16C711-04/P	DIP-18	OTP	4	1k	68	13	3.25	2.43	
200432CG	PIC16C72A-04/SP	DIP-28	OTP	4	2k	128	22	4.59	4.39	
200441CG	PIC16C73A-04/SP	DIP-28	OTP	4	4k	192	22	8.25	7.79	
247847CG	PIC16C923-04I/L	PLCC-68	OTP	4	4k	176	52	6.75	6.41	
248137CG	PIC12673-10/P	DIP-8	OTP	10	1k	128	5	3.39	3.25	
248145CG	PIC12674-10/P	DIP-8	OTP	10	2k	128	5	3.35	3.05	
247880CG	PIC17C42A-16/L	PLCC-44	OTP	16	2k	232	33	10.39	10.10	
247871CG	PIC17C42A-16/P	DIP-40	OTP	16	2k	232	33	9.39	8.75	
200459CG	PIC16C505-04/P	DIP-14	OTP	20	1k	72	12	1.09	.99	
247337CG	PIC16C505-20I/SL	SOIC-14	OTP	20	1k	72	11	1.99	1.78	
247214CG	PIC16C54C-20I/P	DIP-18	OTP	20	512	25	12	2.35	2.08	

Blue Part No. = Limited Quantity Available

Time'n and Count'n

Intermediate Level PIC Applications

Square 1 Electronics This book previously appeared in PIC'n Techniques book. The more current PIC16F870 is substituted for the PIC16C63. Topics such as test equipment for timing & counting experiments to using timer 1 & 2, and capture/compare/PWM as well as programs are included in this book. (218 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
210489CG	Time'n and Count'n	8.5" x 11"	1.4	\$34.95

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

MICROCHIP PIC Microcontrollers

SSOP

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Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247222CG	PIC16C54C-20I/SSO	SOIC-18	OTP	20	512	25	12 \$2.35	\$2.15
247231CG	PIC16C54C-20I/SSO	SSOP-20	OTP	20	512	25	12	..... 2.45	2.30
247409CG	PIC16C558-20/P	DIP-18	OTP	20	2k	128	13	..... 4.99	4.84
247417CG	PIC16C558-20/SSO	SOIC-18	OTP	20	2k	128	13	..... 4.95	4.92
247249CG	PIC16C55A-20I/P	DIP-28	OTP	20	512	24	20	..... 2.95	2.92
247273CG	PIC16C56A-20/SSO	SOIC-18	OTP	20	1k	25	12	..... 2.55	2.39
247265CG	PIC16C56A-20I/P	DIP-18	OTP	20	1k	25	12	..... 2.85	2.55
134172CG	PIC16C56-RC/P	DIP-18	OTP	20	1k	25	12	..... 3.35	3.01
247290CG	PIC16C57C-20/SSO	SOIC-28	OTP	20	2k	72	20	..... 3.55	3.25
247311CG	PIC16C58B-20/SSO	SOIC-18	OTP	20	2k	73	12	..... 2.65	2.53
247505CG	PIC16C620A-20I/P	DIP-18	OTP	20	512	96	13	..... 2.25	2.05
247513CG	PIC16C620A-20I/SSO	SOIC-18	OTP	20	512	96	13	..... 2.15	2.06
247530CG	PIC16C621A-20I/SSO	SOIC-18	OTP	20	1k	96	13	..... 2.59	2.54
247548CG	PIC16C622A-20I/P	DIP-18	OTP	20	2k	128	13	..... 3.29	3.15
247556CG	PIC16C622A-20I/SSO	SOIC-18	OTP	20	2k	128	13	..... 3.05	2.86
247433CG	PIC16C62B-20/SSO	SOIC-28	OTP	20	2k	128	22	..... 4.25	3.94
193324CG	PIC16C63A-20/SP	DIP-28	OTP	20	4k	192	22	..... 4.79	4.35
247450CG	PIC16C65B-20I/L	PLCC-44	OTP	20	4k	192	33	..... 7.85	7.83
247441CG	PIC16C65B-20I/P	DIP-40	OTP	20	4k	192	33	..... 6.15	5.96
247476CG	PIC16C66-20I/SSO	SOIC-28	OTP	20	8k	368	22	..... 8.25	7.75
247468CG	PIC16C66-20I/SP	DIP-28	OTP	20	8k	368	22	..... 8.25	7.75
247492CG	PIC16C67-20/L	PLCC-44	OTP	20	8k	368	33	..... 9.15	8.95
247484CG	PIC16C67-20/P	DIP-40	OTP	20	8k	368	33	..... 8.25	7.75
247581CG	PIC16C710-20/P	DIP-18	OTP	20	512	36	13	..... 3.75	3.05
247599CG	PIC16C711-20/P	DIP-18	OTP	20	1k	68	13	..... 4.05	3.60
247601CG	PIC16C711-20/SSO	SOIC-18	OTP	20	1k	68	13	..... 4.45	3.68
247610CG	PIC16C712-20/P	DIP-18	OTP	20	1k	128	13	..... 3.05	2.85
247628CG	PIC16C712-20/SSO	SOIC-18	OTP	20	1k	128	13	..... 3.15	2.95
247644CG	PIC16C715-20/SSO	SOIC-18	OTP	20	2k	68	13	..... 4.35	4.05
247652CG	PIC16C716-20I/P	DIP-18	OTP	20	2k	128	13	..... 3.85	3.25
247661CG	PIC16C716-20I/SSO	SOIC-18	OTP	20	2k	128	13	..... 3.95	3.35
247679CG	PIC16C717-I/P	DIP-20	OTP	20	2k	256	16	..... 3.75	3.20
247687CG	PIC16C717-SO	SOIC-20	OTP	20	2k	256	16	..... 3.25	2.95
247695CG	PIC16C72A-20I/P	DIP-28	OTP	20	2k	128	22	..... 5.35	5.16
247708CG	PIC16C72A-20I/SSO	SOIC-28	OTP	20	2k	128	22	..... 5.65	5.16
247716CG	PIC16C770-I/P	DIP-20	OTP	20	2k	256	16	..... 4.15	3.15
247724CG	PIC16C770-SO	SOIC-20	OTP	20	2k	256	16	..... 3.25	2.86
247732CG	PIC16C771-I/P	DIP-20	OTP	20	2k	256	16	..... 3.95	3.45
247741CG	PIC16C771-I/SSO	SOIC-20	OTP	20	2k	256	16	..... 3.95	3.48
247767CG	PIC16C773-I/SSO	SOIC-28	OTP	20	4k	256	22	..... 7.05	6.25
247759CG	PIC16C773-I/SP	DIP-28	OTP	20	4k	256	22	..... 7.05	6.25
247783CG	PIC16C774-I/L	PLCC-44	OTP	20	4k	256	33	..... 9.75	9.69
247775CG	PIC16C774-I/P	DIP-40	OTP	20	4k	256	33	..... 7.95	7.57
247345CG	PIC16HV540-20/P	DIP-18	OTP	20	512	25	12	..... 2.35	2.05
247353CG	PIC16HV540-20/SSO	SSOP-20	OTP	20	512	25	12	..... 2.35	2.22
247804CG	PIC16C745-I/SSO	SOIC-28	OTP	24	8k	256	22	..... 4.55	3.95
247791CG	PIC16C745-I/SP	DIP-28	OTP	24	8k	256	22	..... 5.15	3.95
247821CG	PIC16C765-I/L	PLCC-44	OTP	24	8k	256	33	..... 6.39	6.05
247812CG	PIC16C765-I/P	DIP-40	OTP	24	8k	256	33	..... 4.95	4.75

MICROCHIP PIC Microcontrollers

SSOP

PLCC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247901CG	PIC17C43-25/L	PLCC-44	OTP	25	4k	454	33	..... \$13.85	\$13.10
247898CG	PIC17C43-25/P	DIP-40	OTP	25	4k	454	33	..... 11.05	10.50
247927CG	PIC17C44-33/L	PLCC-44	OTP	33	8k	454	33	..... 15.39	14.74
247919CG	PIC17C44-33/P	DIP-40	OTP	33	8k	454	33	..... 14.75	13.10
247935CG	PIC17C752-33/L	PLCC-68	OTP	33	8k	678	50	..... 13.95	13.57
247943CG	PIC17C756A-33I/L	PLCC-68	OTP	33	16k	902	50	..... 16.05	15.65
247951CG	PIC17C762-16/L	PLCC-84	OTP	33	8k	678	66	..... 16.85	16.80
247960CG	PIC17C766-33I/L	PLCC-84	OTP	33	16k	902	66	..... 19.25	18.73
200491CG	PIC18C242-I/SP	DIP-28	OTP	40	16k	512	23	..... 6.29	5.74
200504CG	PIC18C252-I/SP	DIP-28	OTP	40	32k	1536	23	..... 6.29	5.99



Microcontrollers

DIP

SOIC

PLCC

Part No.	Product No.	Pkg.	Description	1	25
248330CG	ATMEGA8-16PI	DIP-28	8-bit MCU, 8kB flash, 16MHz, 23 I/O	..... \$5.05	\$4.05
323133CG	ATMEGA16-16PI	DIP-40	8-bit MCU, 16kB flash, 16MHz, 32 I/O, I-temp	6.25	3.91
248153CG	ATTINY11-6PC	DIP-8	8-bit MCU, 1kB flash, 6MHz, 6 I/O	..... 1.48	1.32
248161CG	ATTINY11-6SI	SOIC-8	8-bit MCU, 1kB flash, 6MHz, 6 I/O, I-temp	..... 1.55	1.45
248170CG	ATTINY12-8PC	DIP-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O	..... 1.55	1.25
248188CG	ATTINY12-8SI	SOIC-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O, I-temp	..... 1.55	1.38
248196CG	ATTINY15L-1PC	DIP-8	8-bit MCU, 1kB flash, 16MHz, 6 I/O	..... 1.85	1.18
248209CG	ATTINY15L-1SI	SOIC-8	8-bit MCU, 1kB flash, 16MHz, 6 I/O, I-temp	..... 2.65	2.53
689039CG	ATTINY2313V-10PU	DIP-20	8-bit MCU, 2kB flash, 10MHz, 38 I/O, I-temp	..... 2.19	1.75
248217CG	ATTINY26-16PC	DIP-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O	..... 2.05	1.23
248225CG	ATTINY26-16SI	SOIC-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O, I-temp	..... 2.35	2.09
248233CG	ATTINY28L-4PC	DIP-28	8-bit MCU, 2kB flash, 4MHz, 11 I/O	..... 2.15	2.05
248348CG	ATMEGA8515-16J	PLCC-44	8-bit MCU, 8kB flash, 16MHz, 35 I/O, I-temp	..... 5.19	5.05
323141CG	ATMEGA8515-16PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	..... 4.59	3.40
395621CG	ATMEGA8515L-8PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	..... 4.49	3.05
168874CG	AT89C2051-24PC	DIP-20	8-bit MCU, 2kB flash, 24MHz, 15 I/O	..... 2.25	1.68
265332CG	AT89C2051-12PC	DIP-20	8-bit MCU, 2kB flash, 12MHz, 15 I/O	..... 2.99	2.60
204089CG	AT89C4051-24PC	DIP-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	..... 1.79	1.48
323109CG	AT89C4051-24SC	SOIC-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	..... 1.75	1.25
168911CG	AT89C51-24JC	PLCC-44	8-bit MCU, 4kB flash, 24MHz, 32 I/O	..... 3.79	3.39
168903CG	AT89C51-24PC	DIP-40	8-bit MCU, 4kB flash, 24MHz, 32 I/O	..... 4.95	4.35
168920CG	AT89C52-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	..... 3.45	2.85
355830CG	AT89S51-24PC	DIP-40	8-bit MCU, 4kB flash, 33MHz, 32 I/O	..... 1.75	1.29
220871CG	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB flash, 33MHz, 32 I/O, I-temp	..... 1.85	1.49
662637CG	AT89S52-24PC	DIP-40	8-bit MCU, 8kB programmable flash	..... 1.79	1.35
168946CG	AT89C55WD-24PC	DIP-40	8-bit MCU, 20kB flash, 24MHz, 32 I/O	..... 6.59	4.94
204097CG	AT89S8252-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	..... 5.95	5.35
204100CG	AT90S1200-12PC	DIP-20	8-bit MCU, 1kB flash, 12MHz, 15 I/O	..... 2.15	1.61
248250CG	AT90S2313-10PC	DIP-20	8-bit MCU, 2kB flash, 10MHz, 15 I/O	..... 3.55	2.95
248268CG	AT90S2313-10SI	SOIC-20	8-bit MCU, 2kB flash, 10MHz, 15 I/O, I-temp	..... 2.65	2.39
248276CG	AT90S2323-10SI	SOIC-8	8-bit MCU, 2kB flash, 10MHz, 4 I/O	..... 3.25	2.87
248292CG	AT90S2343-10SI	SOIC-8	8-bit MCU, 2kB flash, 10MHz, 5 I/O, I-temp 3.15	2.87

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Serial Communications

Serial Communications PIC Applications

Square 1 Electronics Topics such as asynchronous serial communications, RS242 standard, ASCII character code, bit-bang asynchronous communications and synchronous serial communications to name a few are covered in this book as well as tool box modules and applications. (566 pages, 2002)

• Size: 8.6" x 11.0" • Weight: 3.5 lbs.

Part No.	Description	Price
210497CG	Serial Communications	\$49.95

Microcontrol'n Apps

PIC Microcontroller Applications (Version 2)

Square 1 Electronics This book is a revision of and the successor to PIC'n Up The Pace. Materials covered in the book include talking to a PIC microcontroller with a PC running a terminal, simple data logger and digital voltmeter experiment, PIC16F87x and 10-bit A/D conversion. (437 pgs, 2002)

• Size: 8.5" x 11.0" • Weight: 1.7 lbs.

Part No.	Description	Price
215052CG	Microcontrol'n Apps	\$44.95

PIC Microcontroller Project Book

Comprehensive Beginner's Guide

McGraw-Hill Hands-on directions for putting Microchip's RISC-based chips with up to 8k of memory to work. Starting with simple projects and experiments, this book leads you gradually into sophisticated programming techniques. Provides you guidance on getting the equipment you need and programming your chip. (203 pages, 2000)

• Size: 7.3" x 9.2" • Weight: 1.0 lb.

Part No.	Description	Price
174650CG	PIC Beginner's Guide	\$29.95

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Texas Instruments				NEW			SSOP		
Part No.	Product No.	Pkg.	Description	1	10	100			
699018CG	MSP430F133IPM	QFP-64	8KB + 256B flash, 256B RAM, 48 I/O ...	\$5.95	\$5.78	\$5.62			
699026CG	MSP430F135IPM	QFP-64	16KB + 256B flash, 5152B RAM, 48 I/O ...	7.15	6.95	6.75			
699034CG	MSP430F148IPM	QFP-64	48KB + 256B flash, 2k RAM, 48 I/O ...	11.45	11.13	10.81			
699042CG	MSP430F155IPM	QFP-64	16KB + 256B flash, 512B RAM, 48 I/O ...	9.85	9.57	9.30			
699077CG	MSP430F169IPM	QFP-64	60KB + 256B flash, 2kB RAM, 48 I/O ...	15.79	15.33	14.89			
699085CG	MSP430F449IPZ	QFP-100	60KB + 256B flash, 2kB RAM, 48 I/O ...	13.99	13.59	13.20			
248663CG	MSP430F1121AIPW	SSOP-20	16-bit MCU, flash, 8MHz 4k ROM, 14 I/O	3.35	3.15	3.00			
699051CG	MSP430F1611IPM	QFP-64	48KB + 256B flash, 10kB RAM, 48 I/O	17.15	16.66	16.19			
699069CG	MSP430F1612IPM	QFP-64	55KB + 256B flash, 5kB RAM, 48 I/O	17.75	17.25	16.75			
699000CG	MSP430F1232IPW	SSOP-28	8KB + 256B flash, 256B RAM, 14 or 22 I/O	4.95	4.81	4.67			

Flash MCUs				DIP			PLCC		
Part No.	Cross Ref.	Pkg.	Description	1	10	100			
280268CG	Z8F1601PM020SC	DIP-40	16kB ROM, 2kB RAM, 31 I/O, A/D	\$9.85	\$9.75	\$9.65			
280276CG	Z8F1601VN020SC	PLCC-44	16kB ROM, 2kB RAM, 31 I/O, A/D	9.95	9.80	9.65			
280284CG	Z8F1602VS020SC	PLCC-68	16kB ROM, 2kB RAM, 46 I/O, A/D	9.15	8.85	8.65			
280292CG	Z8F2401PM020SC	DIP-40	24kB ROM, 2kB RAM, 31 I/O, A/D	11.45	11.15	10.85			
280305CG	Z8F2401VN020SC	PLCC-44	24kB ROM, 2kB RAM, 31 I/O, A/D	11.45	11.15	10.85			
280313CG	Z8F2402VS020SC	PLCC-68	24kB ROM, 2kB RAM, 46 I/O, A/D	10.25	10.05	9.85			
280321CG	Z8F3201PM020SC	DIP-40	32kB ROM, 2kB RAM, 31 I/O, A/D	11.35	10.55	10.05			
280330CG	Z8F3201VN020SC	PLCC-44	32kB ROM, 2kB RAM, 31 I/O, A/D	11.35	10.55	10.05			
280348CG	Z8F3202VS020SC	PLCC-68	32kB ROM, 2kB RAM, 46 I/O, A/D	11.65	10.95	10.45			
280356CG	Z8F4801PM020SC	DIP-40	48kB ROM, 4kB RAM, 31 I/O, A/D	12.55	11.85	11.35			
280364CG	Z8F4801VN020SC	PLCC-44	48kB ROM, 4kB RAM, 31 I/O, A/D	12.65	11.85	11.35			
280372CG	Z8F4802VS020SC	PLCC-68	48kB ROM, 4kB RAM, 46 I/O, A/D	13.15	12.35	11.75			
280381CG	Z8F6401PM020SC	DIP-40	64kB ROM, 4kB RAM, 46 I/O, A/D	14.25	13.25	12.55			
280399CG	Z8F6401VN020SC	PLCC-44	64kB ROM, 4kB RAM, 46 I/O, A/D	14.25	13.25	12.55			
280401CG	Z8F6402VS020SC	PLCC-68	64kB ROM, 4kB RAM, 46 I/O, A/D	14.65	13.65	12.95			

Z8 OTP MCUs				DIP			PLCC			SOIC		
Part No.	Cross Ref.	Pkg.	Description	1	10	100						
281228CG	Z86E3016PSC	DIP-28	OTP MCU, 24 I/O, 4KB ROM	\$4.95	\$4.55	\$4.15						
281236CG	Z86E3016VSC	PLCC-28	OTP MCU, 24 I/O, 4KB ROM	4.35	4.25	4.15						
281252CG	Z86E0812SSC1866	SOIC-18	OTP MCU, 14 I/O, 4KB ROM	2.45	2.35	2.25						
281279CG	Z86E0812PSC1866	DIP-18	OTP MCU, 14 I/O, 4KB ROM	2.75	2.48	2.25						
281295CG	Z86E0208SSC1925	SOIC-18	OTP MCU, 14 I/O, 512KB ROM	1.75	1.59	1.45						

Dallas Semiconductor 80C/87C MCU Series				DIP			PLCC		
Part No.	Cross Ref.	Pkg.	Description	1	10	100			
114403CG	DS80C320-MCG	DIP-40	High speed LP micro	\$12.09	\$9.27				
345367CG	DS87C520-MCL	DIP-44	EPROM/ROM MCU, high-speed	27.99	26.55				
697311CG	DS87C520-QCL	PLCC-44	EPROM/ROM MCU, high-speed	31.69	30.78				
697320CG	DS87C520-QNL	PLCC-44	EPROM/ROM MCU, high-speed	36.59	35.54				
345359CG	DS87C520-WCL	DIP-40	EPROM/ROM MCU, high-speed	60.95	49.95				
345341CG	DS87C530-QNL	PLCC-52	EPROM/ROM MCU w/ real-time clock	49.09	37.59				


PIC BASIC Programming and Projects

Newnes Publications The BASIC language, is introduced from square one, with simple code used to illustrate each of the most commonly used instructions. PIC BASIC is the simplest and quickest way to get up and running – designing and building circuits using a microcontroller. (210 pages, 2001)

Part No.	Description	Size	Wt. (lbs.)	1	10
200168CG	PIC BASIC Programming	6.1" x 9.2"	0.8	\$38.95	\$37.00

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16-Bit Digital Signal Controllers dsPIC

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design. All integrate Flash program memory and most have EEPROM data storage.


- Memory: flash
- Speed: 40MHz



DIP



SOIC



TQFP

Part No.	Product No.	Pkg.	MIPS	Program Mem. Bytes	SRAM Bytes	1	25
321787CG	DSPIC30F2010-20I/SOG	SOIC-28	20	12k	512	\$8.75	\$7.90
321779CG	DSPIC30F2010-20I/SPG	DIP-28	20	12k	512	8.75	7.90
321808CG	DSPIC30F2010-30I/SOG	SOIC-28	30	12k	512	10.09	9.09
321795CG	DSPIC30F2010-30I/SPG	DIP-28	30	12k	512	10.09	9.09
321816CG	DSPIC30F6010-20I/PF	TQFP-80	20	144k	8192	26.35	23.70
321824CG	DSPIC30F6010-30I/PF	TQFP-80	30	144k	8192	28.99	26.15
321832CG	DSPIC30F6011-20I/PF	TQFP-64	20	132k	6144	22.49	19.60
321841CG	DSPIC30F6011-30I/PF	TQFP-64	30	132k	6144	25.85	21.65
321859CG	DSPIC30F6012-20I/PF	TQFP-64	20	144k	8192	25.05	23.35
321867CG	DSPIC30F6012-30I/PF	TQFP-64	30	144k	8192	27.95	24.15
323053CG	DSPIC30F6013-20I/PF	TQFP-80	20	132k	6144	23.49	20.85
323061CG	DSPIC30F6013-30I/PF	TQFP-80	30	132k	6144	27.45	24.00
323070CG	DSPIC30F6014-20I/PF	TQFP-80	20	144k	8192	25.29	23.10
323088CG	DSPIC30F6014-30I/PF	TQFP-80	30	144k	8192	29.29	25.49

Digital Signal Processors

NEW

TQFP

PLCC

QFP

LQFP

BGA

FCBGA

Part No.	Product No.	Pkg.	Description	1	10	100
700103CG	TMS320C203PZ80	TQFP-100	288 RAM, 256 data/program RAM, 64k I/O	\$13.79	\$13.40	\$13.02
700111CG	TMS320C25FNL	PLCC-68	544 RAM, 4k ROM/EPROM, 64k data/program	37.19	36.13	35.10
700120CG	TMS320C31POL40	BOFP-132	32-bit floating point processor	58.29	56.63	55.01
700138CG	TMS320C31POL60	BOFP-132	32-bit floating point processor	70.55	68.54	66.58
700146CG	TMS320C32PCM40	QFP-144	Enhanced 32-bit floating point proc.	19.15	18.61	18.07
700154CG	TMS320C32PCM60	QFP-144	Enhanced 32-bit floating point proc.	36.85	35.80	34.78
700162CG	TMS320C32PCMA50	QFP-144	Enhanced 32-bit floating point proc.	36.85	35.80	34.78
700171CG	TMS320C54CSTPGE	LQFP-144	Client side telephony DSP	15.69	15.25	14.81
700189CG	TMS320C6201GJC200	FOCSP-352	Fixed-point DSP	171.79	167.01	162.23
700197CG	TMS320C6711DGP200	BGA-272	Floating-point DSP	33.95	32.98	32.04
700200CG	TMS320C6713BGP225	BGA-272	Floating-point DSP	52.39	50.90	49.44
700218CG	TMS320C6713BGP300	BGA-272	Floating-point DSP	69.35	67.37	65.44
700226CG	TMS320F240PQA	BOFP-132	DSP controller	28.39	27.58	26.79
700234CG	TMS320F2811PBKA	LQFP-128	Digital signal processor	29.25	28.42	27.60
700242CG	TMS320F2812GHHAA	BGA-179	Digital signal processor	31.05	30.17	29.30
700251CG	TMS320F2812PGFAA	LQFP-176	Digital signal processor	31.05	30.17	29.27
700269CG	TMS320LF2406APZA	LQFP-100	DSP controller	16.59	15.12	15.66
700277CG	TMS320VC33PGE120	LQFP-144	32-bit floating point processor	21.25	20.65	20.06
700285CG	TMS320VC33PGE120	LQFP-144	32-bit floating point processor	25.49	24.76	24.06
700293CG	TMS320VC5402PGE100	LQFP-144	Fixed-point DSP	10.75	10.45	10.15
700306CG	TMS320VC5409PGE100	LQFP-144	Fixed-point DSP	20.35	19.77	19.21
700314CG	TMS320VC5416GGU160	BGA-144	Fixed-point DSP	53.25	51.73	50.25
700322CG	TMS320VC5416PGE120	LQFP-144	Fixed-point DSP	48.05	46.67	45.34
700331CG	TMS320VC5416PGE160	LQFP-144	Fixed-point DSP	53.25	51.73	50.25
700349CG	TMS320VC5441GGU	BGA-169	Fixed-point DSP	222.39	216.18	210.01
700357CG	TMS320VC5502PGF300	LQFP-176	Fixed-point DSP	18.25	17.73	17.22
700365CG	TMS320VC5509AGHH	BGA-179	Fixed-point DSP	34.35	33.37	32.42
700373CG	TMS320VC5510AGGW2	†	Fixed-point DSP	40.69	39.53	38.40
700381CG	TMS320VC5510AGGW2	†	Fixed-point DSP	51.29	49.83	48.40
700390CG	TMS32C6414EGLZAE3	FCBGA-532	Fixed-point DSP	235.05	228.53	221.99
700402CG	TMS32C6415EGLZAE3	FCBGA-532	Fixed-point DSP	206.69	200.78	195.04
700411CG	TMS32C6713BGPDA200	BGA-272	Floating-point DSP	52.39	50.90	49.44

† Product No. = BGA Microstar-240

↑ Product No. = BGA Microstar-240

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◆ RoHS compliant product ◆ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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Z80 MPUs



Part No.	Cross Ref.	Pkg.	Description	1	10	100
35561CG	Z80A	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.39	\$1.19	\$1.09
35596CG	Z80A	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609CG	Z80A-CTC	DIP-28	4MHz counter timer circuit (MK3882-4)	1.99	1.79	1.59
35625CG	Z80A-DART	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19	2.89
35641CG	Z80A-PIO	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668CG	Z80A-SIO	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705CG	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280410CG	Z8018006PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280428CG	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280436CG	Z8018008PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	7.65	6.92	6.29
280444CG	Z8018008VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	7.55	6.87	6.25
280452CG	Z8018010PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	8.75	7.98	7.25
280461CG	Z8018010VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.89	8.08	7.35
280479CG	Z8S18020PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	12.99	11.82	10.75
280487CG	Z8S18020VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.85	8.55	8.05
280495CG	Z8S18033VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.79	7.90	6.90
35781CG	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.15	3.49	2.55
280508CG	Z84C0006VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.09	2.77	2.48
280516CG	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.07
280524CG	Z84C0008VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.08
280532CG	Z84C0010PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.59	1.94
280541CG	Z84C0010VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.45	3.20	3.15
280559CG	Z84C0020VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	10.95	10.55	10.20
280567CG	Z84C4008PEC	DIP-40	Dual data ch. communication interface ...	6.59	6.07	5.20
280575CG	Z84C9010VSC	PLCC-84	Serial/parallel I/O counter/timer	13.25	12.85	12.65
35799CG	Z8530	DIP-40	2MHz serial communications controller ..	2.49	2.12	1.59
281308CG	Z85C3016PSC	DIP-40	Serial communications controller	9.95	8.65	8.37
61786CG	Z85C3008PSC	DIP-40	Serial communications controller	4.99	4.57	3.92
281316CG	Z85C3008VSC	PLCC-44	Serial communications controller	7.65	6.67	5.25
281324CG	Z8523016VSC	PLCC-44	Enhanced serial comm. controller	15.75	14.45	13.96

Pull = Extra Savings

6500 Series



Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191CG	6502	DIP-40	CPU, 8-bit, 1MHz	\$6.75	\$5.90	\$5.30
43166CG	65C02	DIP-40	CPU, 8-bit, 1MHz	5.95	4.45	3.10
43254CG	6522	DIP-40	Versatile interface adapter, 1MHz	4.05	3.25	2.95
43297CG	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318CG	6551	DIP-28	Asynch. comm. interface adapter, 1MHz ..	3.95	3.36	2.52

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6800/68000 N-MOS



Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481CG	6800	DIP-40	CPU, 8-bit, 5V, 2MHz	\$6.95	\$5.25	\$3.65
43502CG	6802	DIP-40	CPU, 8-bit, 5V, 1MHz	8.49	7.65	6.89
43529CG	6803	DIP-40	CPU, 8-bit, 5V, 1MHz	7.79	6.99	6.29
43537CG	MC6808	DIP-40	CPU, 8-bit, 7V, 1MHz	8.95	8.06	7.25
43545CG	6809E	DIP-40	CPU, 8-bit, 7V, 1MHz	3.95	3.59	3.25
320590CG	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz	3.95	3.59	3.25
43561CG	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz	2.95	2.65	2.39
43596CG	6821	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz ..	3.95	3.59	3.25
43414CG	68B21	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz ..	4.95	4.49	4.05
43617CG	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25	1.99
43633CG	6850	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz ..	2.39	2.09	1.89
25304CG	MC68000L8	DIP-64	CPU, 16-bit, 7V, 8MHz	8.95	7.95	7.25
25291CG	MC68000L10	DIP-64	CPU, 16-bit, 7V, 10MHz	13.45	11.49	8.59
25355CG	MC68701	DIP-40	MCU, 8-bit, 29 I/O, 2MHz	15.95	13.95	12.55
25363CG	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95	20.65
25371CG	MC68705U3S	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	26.95	22.94	20.65

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6800/68000 CMOS



Part No.	Cross Ref.	Pkg.	Description	1	10	100
698664CG	MC68HC11A1CFN3	PLCC-52	MCU, 8-bit, HCMOS, 8Kb ROM	13.05	\$12.68	\$12.32
698672CG	MC68HC11D0CFN2	PLCC-44	MCU, HCMOS, ROM based, 3MHz	5.75	5.59	5.43
248591CG	MC68HC11E0CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	9.55	8.60	7.20
698681CG	MC68HC11E1CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	10.65	10.35	10.05
248604CG	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	8.85	7.25	6.55
248583CG	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.39	8.69	8.15
698699CG	MC68HC11F1CFN4	PLCC-68	MCU, 512bytes EEPROM, 4MHz	12.89	12.53	12.17
698701CG	MC68HC11K1CFN4	PLCC-84	MCU, 768bytes RAM, 4MHz	19.05	18.51	17.98
698710CG	MC68HC16Z1CEH1	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 16.78MHz ..	20.75	20.16	19.58
698736CG	MC68HC16Z1CFC16	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 16.78MHz ..	20.75	20.16	19.58
698744CG	MC68HC16Z1CFC25	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 25MHz	22.85	22.20	21.57
698752CG	MC68HC16Z1CPV16	LQFP-144	MCU, 16-bit, 8/10-bit ADC, 16.78MHz ..	16.75	16.27	15.81
698761CG	MC68HC16Z1CPV25	LQFP-144	MCU, 16-bit, 8/10-bit ADC, 25MHz	18.39	17.87	17.36
285675CG	MC68HC705BDT	DIP-40	MCU, 8-bit, 26 I/O, 2MHz	4.99	4.49	3.99
698779CG	MC68HC705B1NCFN	PLCC-52	MCU, 8-bit, 256bytes EEPROM, 3.8bit para I/O	14.09	13.69	13.30
698787CG	MC68HC705C8ACF	QFP-44	MCU, 8-bit HCMOS, 24 I/O (bidirectional)	8.65	8.41	8.17
248647CG	MC68HC705C8ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz	7.19	5.30	5.00
698795CG	MC68HC705C8ACP	DIP-40	MCU, 8-bit HCMOS, 24 I/O (bidirectional)	8.65	8.41	8.17
108919CG	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	7.29	6.29	5.92
132484CG	MC68HC705C8S	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	38.95	34.95	26.21
248655CG	MC68HC705C9ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 2MHz	10.25	9.95	9.50
248639CG	MC68HC705J1ACDW	SOIC-20	MCU, 8-bit, 14 I/O, 4MHz	1.95	1.85	1.68
132530CG	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	2.09	1.89	1.79
698808CG	MC68HC705J7CDW	SOIC-20	MCU HCMOS, 14 I/O, 100kHz	4.79	4.66	4.52
108927CG	MC68HC705K1P	DIP-16	MCU, 8-bit, 10 I/O, 2MHz	5.49	4.94	4.44
698816CG	MC68HC705K1CDW	SOIC-16	MCU, 10 I/O, 4MHz	1.85	1.80	1.75
698824CG	MC68HC705K1JCP	DIP-16	MCU, 10 I/O, 4MHz	1.85	1.80	1.75
248612CG	MC68HC705P6ACP	DIP-28	MCU, 8-bit, 21 I/O, 2MHz	2.95	2.25	2.10
248621CG	MC68HC705P6ADW	SOIC-28	MCU, 8-bit, 21 I/O, 2MHz	2.95	2.25	2.10
698832CG	MC68HC705SR3CP	DIP-40	MCU, HCMOS, 8-bit, 32 I/O, 3840bytes EPROM	14.75	14.33	13.92
248567CG	MC68HC711D3CFN2	PLCC-44	MCU, 8-bit, 26 I/O, 2MHz	9.45	9.15	8.70
248575CG	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	13.45	10.50	9.87
698867CG	MC68HC711E9CFN3	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 3MHz	18.19	17.67	17.17
698875CG	MC68HC711E9MFN2	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 2MHz	19.05	18.51	17.98
698841CG	MC68HC711E20CFN2	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 2MHz	24.75	24.05	23.36
698859CG	MC68HC711E20CFN3	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 3MHz	25.99	25.25	24.53
698883CG	MC68HC812A4CPV8	LQFP-112	MCU, 16-bit, 8-bit AD, 4Kbytes EEPROM, 2MHz	19.79	19.23	18.68
698891CG	MC68HC908AB32CF	QFP-64	MCU, 8-bit, 32Kbytes flash, 51 I/O ...	11.85	11.52	11.19
698904CG	MC68HC908GP32CF	QFP-44	MCU, 8-bit, 32Kbytes flash, 33 I/O ...	10.95	10.64	10.34
248356CG	MC68HC908GP32CP	DIP-40	MCU, 8-bit, 33 I/O, 8MHz	9.99	9.65	9.25
323213CG	MC68HC908GR82CP	DIP-28	MCU, 8-bit, 13 I/O, 8MHz	6.25	5.28	5.01
248410CG	MC68HC908JB8ADW	SOIC-28	MCU, 8-bit, 21 I/O, 3MHz	4.95	4.70	4.50
248401CG	MC68HC908JB8JP	DIP-20	MCU, 8-bit, 37 I/O, 3MHz	4.75	4.55	4.35
323192CG	MC68HC908JK1CP	DIP-20	MCU, 8-bit, 15 I/O, 8MHz	2.79	2.01	1.91
248372CG	MC68HC908JK3CDW	SOIC-20	MCU, 8-bit, 15 I/O, 8MHz	3.35	3.15	3.09
248364CG	MC68HC908JK3CP	DIP-20	MCU, 8-bit, 15 I/O, 8MHz	3.35	3.15	3.09
248399CG	MC68HC908JL3CDW	SOIC-28	MCU, 8-bit, 23 I/O, 8MHz	4.15	3.85	3.60
248381CG	MC68HC908JL3CP	DIP-28	MCU, 8-bit, 23 I/O, 8MHz	4.35	4.15	3.95
248495CG	MC68HC908T1CDW	SOIC-8	MCU, 8-bit, 6 I/O, 8MHz	1.49	1.40	1.30
248436CG	MC68HC908KX8CDW	SOIC-16	MCU, 8-bit, 13 I/O, 8MHz	5.65	5.40	5.15
248428CG	MC68HC908KX8CP	DIP-16	MCU, 8-bit, 13 I/O, 8MHz	5.35	4.85	4.65
248487CG	MC68HC908Q11CP	DIP-8	MCU, 8-bit, 6 I/O, 8MHz	1.39	1.31	1.28
248479CG	MC68HC908T2CDW	SOIC-8	MCU, 8-bit, 6 I/O, 8MHz	2.05	1.85	1.68
248461CG	MC68HC908Q12CP	DIP-8	MCU, 8-bit, 6 I/O, 8MHz	1.69	1.60	1.55
248452CG	MC68HC908T4CDW	SOIC-8	MCU, 8-bit, 6 I/O, 8MHz	2.05	1.95	1.85
248444CG	MC68HC908Q14CP	DIP-8	MCU, 8-bit, 6 I/O, 8MHz	1.85	1.70	1.65
248559CG	MC68HC908Q1Y1CDT	TSSOP-16	MCU, 8-bit, 14 I/O, 8MHz	1.85	1.75	1.65
248532CG	MC68HC908Q1Y2CDT	TSSOP-16	MCU, 8-bit, 13 I/O, 8MHz	1.85	1.75	1.65
248524CG	MC68HC908Q1Y2CP	DIP-16	MCU, 8-bit, 13 I/O, 8MHz	1.95	1.85	1.75
248516CG	MC68HC908Q1Y4CDW	TSSOP-16	MCU, 8-bit, 13 I/O, 8MHz	2.65	2.49	2.44
248508CG	MC68HC908Q1Y4CP	DIP-16	MCU, 8-bit, 13 I/O, 8MHz	2.35	2.15	2.05
323221CG	MC68HC912B32CFU8	QFP-80	MCU, 8-bit, 15 I/O, 2MHz	20.55	19.50	18.52

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8000 N-MOS

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844CG	8031	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.45	\$3.15	\$2.80
102197CG	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.59	3.25
51861CG	8035	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.59	3.25
51959CG	8039	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	4.49	3.82	2.86
51983CG	8049	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	1.95	1.75	1.59
51991CG	8051AP	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	5.49	4.99	4.49
52003CG	8052AH	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	7.99	7.19	6.49
52046CG	8080A	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	4.65	4.05	3.75
52062CG	8085AH	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.99	4.49	3.99
52071CG	8085AH-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.99	4.49
52100CG	8086-2	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142CG	8088	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169CG	8088-2	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	5.95	5.39	4.85
34358CG	UPD70108-8	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290CG	8155	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.82	2.86
52302CG	8155-2	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	5.95	5.39	4.85
52468CG	8212	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52484CG	8216	DIP-16	Bi-directional bus driver	3.95	3.36	2.52
52492CG	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513CG	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581CG	8243	DIP-24	I/O expander	5.49	4.94	3.71
52610CG	8250A	DIP-40	UART	4.25	3.60	2.70
52644CG	8251	DIP-28	USART	2.99	2.69	2.39
52652CG	8251A	DIP-28	USART	3.99	3.69	3.39
52679CG	8253	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687CG	8253-5	DIP-24	Prog. interval timer, 2MHz	4.99	4.49	3.99
52708CG	8254	DIP-24	Prog. interval timer, 8MHz	4.49	3.99	3.59
52716CG	8254-2	DIP-24	Prog. interval timer, 8MHz	7.35	6.25	4.69
52724CG	8255	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732CG	8255A-5	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.05
291805CG	8255AC-5	DIP-40	CPU peripheral, 4MHz	4.89	4.39	2.89
52759CG	8256	DIP-40	UART	19.99	17.99	16.19
52775CG	8259	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783CG	8259-5	DIP-28	Prog. interrupt controller	2.49	2.19	1.99
52821CG	8275	DIP-40	Prog. CRT controller	8.45	8.05	7.00
52839CG	8279	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847CG	8279-5	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855CG	8282	DIP-20	Octal latch bus driver	5.35	4.40	3.10
52871CG	8284A	DIP-18	Clock generator/driver, 8MHz	4.69	4.19	3.77
52898CG	8286	DIP-20	Octal bus transceiver	3.95	3.59	3.25
52901CG	8287	DIP-20	Octal bus transceiver	9.89	8.99	8.09
52919CG	8288	DIP-20	Bus controller	1.65	1.40	1.25
699624CG	P82B96TD	SOIC-8	Dual bidirectional bus buffer	2.79	2.71	2.64
53006CG	8741	DIP-40	CPU peripheral, 5MHz	6.79	6.11	5.51
53014CG	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	8.45	7.20	6.35
53022CG	8748	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	13.95	12.56	11.11
53031CG	8748H	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	16.25	14.78	13.25
53057CG	8749H	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	23.45	19.88	16.27
53073CG	8751	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	16.99	14.45	12.99
53081CG	8751H	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	24.95	20.25	18.23
53090CG	8755	DIP-40	EPROM with I/O	8.95	8.09	7.29
699616CG	P82B715TD	DIP-8	I ² C bus extender	2.99	2.91	2.82

♣ Pull = Extra Savings ♠ Refurbished = Backed by Jameco

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM

8000 CMOS

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51676CG	80C31	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	\$2.99	\$2.42	\$1.45
699544CG	P80C31SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	1.69	1.64	1.59
699552CG	P80C31SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	1.85	1.80	1.75
108804CG	80C32-1	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	4.49	3.85	2.89
699561CG	P80C32SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	1.79	1.70	1.65
699579CG	P80C32SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	1.85	1.80	1.75

♣ Pull = Extra Savings

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

8000 CMOS (Continued)

NEW

Part No.	Cross Ref.	Pkg.	Description	1	10	100
699587CG	P80C32UBAA	PLCC-44	MCU, 8-bit, 32 I/O, 33MHz	\$1.79	\$1.70	\$1.65
51692CG	80C39	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	3.59	3.23	2.91
125647CG	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	32.75	29.47	26.51
699595CG	P80C55EBA	PLCC-68	MCU, 8-bit, 16MHz, 10-bit A/D	10.69	10.36	10.06
699608CG	P80C55IBA	PLCC-68	MCU, 8-bit, 24MHz, 10-bit A/D	11.09	10.78	10.47
51705CG	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	7.25	6.55	5.85
52193CG	81C55	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.59	3.19
52370CG	82C51A	DIP-28	USART	3.85	3.40	2.95
52388CG	82C53-5	DIP-24	Prog. interval timer, 8MHz	4.25	3.60	2.75
52396CG	82C54	DIP-24	Prog. interval timer, 8MHz	3.95	3.55	3.19
52409CG	82C54-2	DIP-24	Prog. interval timer, 10MHz	4.49	4.05	3.59
52417CG	82C55A	DIP-40	CPU peripheral, 5MHz	4.99	4.49	3.99
52425CG	82C55A-5	DIP-40	CPU peripheral, 5MHz	4.49	3.99	3.49
52978CG	87C51	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	21.99	19.79	17.49
196120CG	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	5.09	4.62	4.20
699632CG	P87C51FA-4N	DIP-40	MCU, 8-bit, four 8-bit I/O, 16MHz	6.25	6.08	5.90
699641CG	P87C51RB-4A	PLCC-44	MCU, 8-bit, four 8-bit I/O, 16MHz	4.95	4.78	4.65
699659CG	P87C51SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	2.45	2.35	2.29
699667CG	P87C51SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	2.59	2.52	2.45
699675CG	P87C52SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	2.95	2.82	2.74
699683CG	P87C52SFAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	3.19	3.09	3.00
699691CG	P87C52UBAA	PLCC-44	MCU, 8-bit, 32 I/O, 33MHz	2.95	2.82	2.74
699704CG	P87C52BPN	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	2.99	2.91	2.82
699712CG	P87C552SBAA	PLCC-68	MCU, 8-bit, five 8-bit I/O, 18MHz	12.29	11.92	11.58
699721CG	P87LPC764BD	SOIC-20	MCU, low-power, 4kbyte OTP	2.15	2.04	1.99
248701CG	T89C51RB2	PLCC-44	MCU, 8-bit, 32 I/O, 40MHz, 16k-byte Flash	6.59	6.11	5.81
248719CG	T89C51RC2	PLCC-44	MCU, 8-bit, 32 I/O, 40MHz, 32k-byte Flash	8.45	7.25	6.55
248727CG	T89C51RD2	PLCC-44	MCU, 8-bit, 32 I/O, 40MHz, 64k-byte Flash	9.39	7.95	6.63
699739CG	P89C51RD2BA01	PLCC-44	MCU, 8-bit, four 8-bit I/O, 20/33MHz	7.59	7.38	7.17
699747CG	P89C51RD2BD01	PLCC-44	MCU, 8-bit, four 8-bit I/O, 20/33MHz	7.39	7.15	6.95
699755CG	P89C660HBA	PLCC-44	MCU, 8-bit, four 8-bit I/O, 20/33MHz	7.79	7.56	7.34
699763CG	P89C664HBD	PLCC-44	MCU, 8-bit, four 8-bit I/O, 20/33MHz	9.85	9.55	9.27
699771CG	P89LPC32A1FA-S	PLCC-28	MCU, 8-bit, 18MHz, 8k flash	2.65	2.58	2.50

♠ Refurbished = Backed by Jameco

Voice Chips

Single-Chip Voice Record/Playback Devices

10 to 120 Second Durations (28-pin DIP)

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Fully addressable to handle multiple messages
- On-chip automatic gain control (AGC) and clock source
- Typical 100k record cycles, 1µA standby current and 100 year message retention
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated



Part No.	Product No.	Description	1	10	50
141671CG	ISD1110P	Voice record/playback (10 sec.)	\$5.99	\$5.75	\$5.50
107334CG	ISD1420P	Voice record/playback (20 sec.)	6.85	5.75	4.65
120643CG	ISD2560P	Voice record/playback (60 sec.)	10.49	9.49	7.65
120660CG	ISD2590P	Voice record/playback (90 sec.)	11.75	9.99	7.49
141655CG	ISD25120P	Voice record/playback (120 sec.)	11.39	9.29	7.75



80C52-Basic Microcontroller



The 80C52-BASIC chip is a custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

Hardware: • On-chip oscillator and clock circuit • Operates DC to 12MHz

Software: • Full BASIC interpreter in ROM on a single chip
 • "Stand-alone" software development
 • Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647CG	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$32.75	\$29.47	\$26.51

PARALLAX 50MIPS SX Microcontrollers

Part No.	Parallax No.	Description	1	10	100
162931CG	SX28AC/DP	DIP-28 50MIPS SX microcontroller	\$4.99	\$4.89	\$4.79
283063CG	SX48BD	PQFP-48 flash RAM	5.15	4.90	4.45

PARALLAX BASIC Stamps

BASIC Stamps are small computers using a variation of BASIC called PBASIC. They are ideal for controller apps including robotics, radio-controlled interfaces of a digital camera, industrial pallet stackers, health monitoring systems, and much more. The BS1-IC has 8 I/O lines, while the BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices. Both allow you to store data in the EEPROM before downloading a BASIC program.

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Specifications:	127693CG	130892CG
EEPROM	256 bytes	2048 bytes
RAM	16 bytes	32 bytes
Cur. Draw @ 5V	2mA run/20µA	8mA run/100µA
Microcontroller	PIC16C56	PIC16C57
Program speed	2000/sec.	4000/sec.
# of I/O Pins	8	16 + 2 serial
Package	14-pin SIP	24-pin DIP
Volts Required	5-15VDC	5-15VDC
Size	1.4"L x 0.4"W	1.2"L x 0.6"W

Part No.	Parallax No.	1	10
127693CG	BS1-IC	\$25.95	\$23.99
130892CG	BS2-IC	48.95	43.95

PARALLAX BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 12) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Voltage requirements: 5-12VDC
- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Scratch pad RAM: 128 bytes
- EEPROM program size: 2k x 8, 4,000 instructions
- Current draw @ 5V: 40mA run; 400µA sleep

184911CG: Number of I/O pins: 16 + 2 serial

184920CG: Number of I/O pins: 32 + 2 serial

Part No.	Parallax No.	1	10
184911CG	BS2P24-IC 24-pin	\$78.95	\$70.95
184920CG	BS2P40-IC 40-pin	87.95	79.95

PARALLAX 50MHz BASIC Stamp 2SX Module

High-speed version of BS2-IC.

- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC
- Number of I/O pins: 16 + 2 serial
- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep

Part No.	Parallax No.	1	10
159775CG	BS2SX-IC 24-pin	\$58.95	\$52.95

For detailed specs, visit www.Jameco.com/Rabbit

PARALLAX BS2E-IC Basic Stamp Module

The BS2E-IC runs at the same speed as BASIC Stamp 2, but has the RAM and EEPROM size benefits of the BS2-SX, with much lower speed and power consumption. Ideal for those who use the BS2 and would like more variable or program space. Programmed in Windows®.

- EEPROM (program) size: 2k x 8, ~ 4,000 instructions
- RAM: 32 bytes (6 I/O, 26 variable)
- Scratch pad RAM: 64 bytes
- Current draw @ 5V: 20mA run/100µA sleep
- Microcontroller: Scenix SX28AC
- Program speed: 4,000 instructions/sec.
- Number of I/O pins: 16 + 2 dedicated serial
- Voltage requirement: 5-12VDC
- Package: DIP-24

Part No.	Parallax No.	1	10
283047CG	BS2E-IC	\$53.95	\$51.90

PARALLAX BASIC Stamp 2 OEM Kit

A through-hole version of the popular BASIC Stamp modules.

- 20-pin SIP, standard 0.1" spacing
- PBASIC interpreter and EEPROM are socketed to allow for replacement
- PC board includes labeled component locations with visible traces between parts
- Programmed using PBASIC DOS or Windows®

Includes: PBASIC interpreter, EEPROM, resonator, DB-9, resistors and transistors

Part No.	Parallax No.	1	10
183071CG	27291	\$42.55	\$40.50

RABBIT Wi-Fi Application Kit

Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system.

Wireless connectivity eliminates ethernet cables allowing greater flexibility and mobility of wireless embedded networks.

Includes a Linksys Wi-Fi card, RCM3100 microprocessor core module, prototyping board, Dynamic C® development system and complete documentation on CD-ROM, serial cable for programming and debugging, 10-pin DB15 Conversion Cable, manuals and AC adapter (U.S./Canada only).

Applications

- Wireless automation and control
- Convenient data and event logging
- Instrumentation monitoring

Part No.	Description	Wt. (lbs.)	Price
321681CG	Wi-Fi application kit	2.0	\$568.95

RABBIT Secure Embedded Web Application Kit

This kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore, the Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers.

Software bundles (RabbitWeb, FAT File System and Secure Socket Layer) included enable rapid development of secure web browser interfaces for embedded system control.

Part No.	Description	Wt. (lbs.)	Price
321470CG	Secure embedded web application kit	2.0	\$663.95

RABBIT Multi-Port Serial to Ethernet Kit

The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. This kit allows you to simultaneously connect several serial devices to a network.

This kit also includes a prototyping board, Dynamic C® development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demo-board, required cables, and assorted accessories.

Features

- Serial to ethernet applications for: digital voltmeter and temperature sensor reader and binary and hexadecimal ASCII
- Royalty-free TCP/IP stack with source code
- Configuration menu system

Design Advantages

- Minimal ethernet experience required
- 3 step setup
- Software compatible with other Rabbit-based products

Part No.	Description	Wt. (lbs.)	Price
321656CG	Multi-Port serial to ethernet app. kit	2.0	\$375.25

RABBIT GSM/GPRS and M2M Application Kits

This kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore Module (RCM) that can interpret messages as commands and in turn execute control functions.

Part No.	Description	Wt. (lbs.)	Price
321584CG	GSM/GPRS app. kit w/ Enfora modem	2.0	\$616.55
321197CG	Machine to machine (M2M) kit w/ Wavecom modem	2.0	663.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

The Rabbit 3000 Microprocessor

The new Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of

even the most complex applications. All development kits come complete with microprocessor core module, prototyping board, Dynamic C® development software with documentation on CD-ROM, serial cable for programming and debugging, "Getting Started" manual and AC adapter.

For detailed specifications, visit www.Jameco.com/Rabbit

RCM3000 & 3100 General Purpose Development Kits

The RCM3000 & RCM3100 are ideal options for designers who want to rapidly develop and implement embedded systems with or without integrated Ethernet connectivity.

Part No.	Description	Price
320733CG		
320733CG	RCM3000 ethernet enabled kit 	\$284.05
320741CG	RCM3100 general purpose kit 	\$226.95

RCM3400 Development Kit










The RCM3400 is based on the low-EMI Rabbit 3000 CPU running at 29.4MHz, with 512kB Flash and 512kB SRAM on board. The development board features a 10/100Base-T Ethernet connection and can be used as a reference design in conjunction with Dynamic C's royalty-free TCP/IP software libraries included in the development kit. Additional features include 5 serial ports and 8 analog inputs with programmable gain—all in an extremely small footprint!



Part No.	Description	Price
321031CG	 RCM3400 analog development kit 	\$378.95

RCM3200 10/100Base-T Development Kit

The RCM3200 RabbitCore™ microprocessor core module is a great choice for designers who want to rapidly implement embedded systems that require a fully integrated 10/100Base-T Ethernet connection. Additional features include a battery-backed real-time clock, glueless I/O interfacing, slave port and an alternate I/O bus.

Part No.	Description	Price
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Model No.	RCM3000	RCM3100	RCM3200	RCM3300	RCM3360	RCM3400	RCM3600	RCM3700	RCM3720
Jameco Part No.	320733CG	320741CG	320797CG	321082CG	321613CG	321031CG	321058CG	321074CG	321630CG
CPU Speed	29.4MHz 	29.4MHz 	44.2MHz 	44.2MHz 	44.2MHz 	29.4MHz 	22.1MHz 	22.1MHz 	22.1MHz 
Ethernet	10Base-T, RJ-45, 2 LEDs	None	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, MAC ID installed	None	10Base-T, RJ-45, 2 LEDs	10Base-T, RJ-45, 2 LEDs
Flash Memory	512k (2 x 256kB)	512k (2 x 256kB)	512kB	512kB	512kB	512kB	512kB	512kB	512kB
SRAM	512kB	512kB	512kB program + 256kB data	512kB program + 512kB data	512kB program + 512kB data	512kB	512kB	512kB	256kB
Extended Memory	None	None	None	8MB Serial Flash	16MB NAND Flash Chip, xD Removable Flash Memory	None	None	1MB Serial Flash	1MB Serial Flash
General Purpose I/O	49 digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	54 digital: 46 configurable, 4 fixed inputs, 4 fixed outputs	52 digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	49 parallel digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	52 parallel digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	47 digital: 41 configurable, 3 fixed inputs, 3 fixed outputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs
Analog Inputs	None	None	None	None	None	8-ch single-ended (11-bit) or 4-ch differential	None	None	None
Additional Inputs	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset In, CONVERT	Reset	Reset	None
Additional Outputs	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset, BREF	None	None	None
External I/O	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr
Serial Ports	Six 3.3V CMOS-compatible: configurable as asynchronous (with IrDA), 4 configurable as clocked (SPI), 2 configurable as SDLC/HDLC			Five 3.3V CMOS-compat. config. as asynch. (w/IrDA), 3 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. (prog.)	Six 3.3V CMOS-compat. config. as asynch. (w/IrDA), 4 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. dedicated. (prog.)	5 CMOS-compatible: 4 configurable as asynch. (w/IrDA), 3 as clocked serial (SPI), 2 as SDLC/HDLC w/ IrDA, 1 asynch. serial port support for MIR/SIR IrDA transceiver	Four 3.3V CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI) and 1 as SDLC/HDLC (with IrDA) or 1 SPI and 2SDLC/HDLC, 1 asynchronous serial port (programming)		
Power	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 75mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.0-3.45VDC @ 97mA	4.75-12.6VDC @ 60mA	4.75-5.25VDC @ 100mA	4.75-5.25VDC @ 100mA
Board Size	2.73" x 1.85" x 0.86"	1.85" x 1.65" x 0.55"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	1.37" x 1.16" x 0.31"	2.10" x 1.20" x 0.62"	2.95" x 1.20" x 0.85"	2.95" x 1.20" x 0.85"
Connectors	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17 (1.27mm)	One 2 x 20, 0.10" IDC headers	One 2 x 20, 0.10" IDC headers	One 2 x 20, 0.10" IDC headers
Included	RabbitCore™ module, development board w/ prototyping area, Dynamic C development system and documentation on CD-ROM, serial cable, "Getting Started" manual, and AC adapter								
Price	\$284.05	\$226.95	\$331.55	\$240.55	\$378.95	\$378.95	\$226.95	\$283.95	\$188.95

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Microprocessor Starter Kit



Imagine Tools

This Microprocessor Starter Kit is designed to work with several different forms of applications via system control: commands and feedback, data acquisition, and custom hardware setups specific to user requirements. Whether you are an embedded systems expert, or an electronics novice, Imagine Tools offers an educational community devoted to bringing as much value to a kit purchase as possible by offering free downloadable products, application ideas, and support. The microprocessor starter kit is ideal for hobbyists, enthusiasts, and entrepreneurs seeking to create a killer product and/or application.

- 256k FLASH/128k SRAM
- Input voltage: 24-40VAC, 7-40VDC
- 4 serial ports
- 33 digital I/O ports
- Current draw: 43mA typ.@12V, 16mA typ.@40V

Kit Includes: RCM3610 module with Rabbit 300A microprocessor, starter board, software CD, hardware, and power supply.

Part No.	Description	Price
354992CG	Microprocessor starter kit	\$94.05

Ethernet Starter Kit



Imagine Tools

This starter kit is ideal for hobbyists, students and inventors who want to learn about C programming, TCP/IP programming and interfacing electronic devices with microprocessors. Fun and useful application projects take you step-by-step through hardware and software development. Create new applications such as a WAV file player, DC and stepper motor controller, GPS clock, and much more.

- Input voltage: 24-28VAC, 7-40VDC
- Current draw: 43mA typ.@12V, 16mA typ. @ 40V

Hardware Includes: RCM3700 Rabbit Microprocessor Core Module plus prototyping and breadboards (6.5"L x 2.2"W), 12VDC @ 1A power supply, serial cable, 2 Ethernet cables, 8Ω 400mW speaker, wiring kit, 10kΩ thermistor, 0.1μF capacitor, 10kΩ potentiometer, headers, and standoffs.

Software Includes: Dynamic C lite, libraries and samples, as well as royalty free TCP/IP protocol stack.

Part No.	Description	Price
355004CG	Ethernet starter kit	\$141.55

EPROM

DIP 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909CG	2708+	DIP-24	1k x 8	450ns, 5V	\$4.99	\$4.29	\$3.19
33611CG	TMS2716+	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002CG	2716+	DIP-24	2k x 8	450ns, 5V	4.09	3.69	3.29
39706CG	27C16+	DIP-24	2k x 8	450ns, 5V	6.99	5.99	4.99
308662CG	2716A-2	DIP-24	2k x 8	200ns, 5V	6.09	5.48	5.03
40011CG	2716-1+	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
265931CG	27C16-200	DIP-24	2k x 8	200ns, 5V	3.99	3.59	2.99
265965CG	27C16-150	DIP-24	2k x 8	150ns, 5V	6.15	5.20	3.90
40096CG	2732+	DIP-24	4k x 8	450ns, 5V	6.49	5.49	4.19
39765CG	27C32+	DIP-24	4k x 8	450ns, 5V	5.49	4.95	4.45
40133CG	2732A-45+	DIP-24	4k x 8	450ns, 5V	3.99	3.69	3.29
33591CG	TMS2532+	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
114876CG	2732B+	DIP-24	4k x 8	450ns, 5V	4.19	3.79	3.39
40125CG	2732A-25+	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109CG	2732A-20+	DIP-24	4k x 8	200ns, 5V	6.49	5.99	5.49
265990CG	27C32-200	DIP-24	4k x 8	200ns, 5V	5.99	4.99	3.99
266001CG	27C32-150	DIP-24	4k x 8	150ns, 5V	6.99	5.99	4.99
40205CG	2764-25+	DIP-28	8k x 8	250ns, 5V	4.75	4.30	3.85
40248CG	2764A-25+	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845CG	27C64-25+	DIP-28	8k x 8	250ns, 5V	4.05	3.65	3.40
40192CG	2764-20+	DIP-28	8k x 8	200ns, 5V	5.29	4.79	4.29
40230CG	2764A-20+	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608CG	27C64-20+	DIP-28	8k x 8	200ns, 5V	4.15	3.60	3.44

+ Refurbished = Backed by Jameco

EPROM (Continued)

DIP 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39829CG	27C64-15+	DIP-28	8k x 8	150ns, 5V	\$3.95	\$3.63	\$3.10
105304CG	27C64-12+	DIP-28	8k x 8	120ns, 5V	3.29	2.98	2.71
266036CG	27C64-100+	DIP-28	8k x 8	100ns, 5V	4.09	3.59	2.69
266044CG	27C64-70+	DIP-28	8k x 8	70ns, 5V	4.85	4.12	3.70
39933CG	27128-25+	DIP-28	16k x 8	250ns, 5V	4.29	3.99	3.49
39984CG	27128A-25+	DIP-28	16k x 8	250ns, 5V	4.49	4.09	3.69
39685CG	27C128-25+	DIP-28	16k x 8	250ns, 5V	3.99	3.59	3.29
39968CG	27128A-20+	DIP-28	16k x 8	200ns, 5V	4.25	3.75	3.40
101101CG	27C128-20+	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950CG	27128A-15+	DIP-28	16k x 8	150ns, 5V	4.05	3.60	3.25
39677CG	27C128-15+	DIP-28	16k x 8	150ns, 5V	4.29	3.89	3.49
87935CG	27C128-12+	DIP-28	16k x 8	120ns, 5V	4.45	3.78	2.84
266061CG	27C128-100+	DIP-28	16k x 8	100ns, 5V	4.39	3.86	3.50
149665CG	27C128-70+	DIP-28	16k x 8	70ns, 5V	4.89	4.29	3.89
40061CG	27256-25+	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
39731CG	27C256-25+	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
40045CG	27256-20+	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722CG	27C256-20+	DIP-28	32k x 8	200ns, 5V	2.59	2.49	2.19
40037CG	27256-15+	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714CG	27C256-15+	DIP-28	32k x 8	150ns, 5V	2.09	1.79	1.59
65904CG	27C256-12+	DIP-28	32k x 8	120ns, 5V	2.09	1.99	1.79
112740CG	27C256-10+	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
140476CG	27C256-70+	DIP-28	32k x 8	70ns, 5V	3.39	3.19	2.99
266079CG	27C256-55+	DIP-28	32k x 8	55ns, 5V	4.99	4.79	4.29
40168CG	27512-25+	DIP-28	64k x 8	250ns, 5V	3.69	3.39	3.09
39802CG	27C512-25+	DIP-28	64k x 8	250ns, 5V	4.75	4.39	3.95
40150CG	27512-20+	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790CG	27C512-20+	DIP-28	64k x 8	200ns, 5V	3.09	2.89	2.59
39781CG	27C512-15+	DIP-28	64k x 8	150ns, 5V	2.09	1.99	1.79
39773CG	27C512-12+	DIP-28	64k x 8	120ns, 5V	2.15	2.04	1.69
131959CG	27C512-10+	DIP-28	64k x 8	100ns, 5V	3.05	2.89	2.16
175206CG	27C512-90+	DIP-28	64k x 8	90ns, 5V	1.75	1.68	1.60
203625CG	27C512-70+	DIP-28	64k x 8	70ns, 5V	2.69	2.37	1.79
266087CG	27C512-55+	DIP-28	64k x 8	55ns, 5V	2.69	2.24	1.79
203617CG	27C512-45+	DIP-28	64k x 8	45ns, 5V	2.69	2.25	1.68
118148CG	27C1024-15+	DIP-40	64k x 16	150ns, 5V	5.25	4.83	3.62
203641CG	27C1024-12+	DIP-40	64k x 16	120ns, 5V	5.29	4.79	4.39
203633CG	27C1024-80+	DIP-40	64k x 16	80ns, 5V	2.79	2.64	2.58
39669CG	27C010-20+	DIP-32	128k x 8	200ns, 5V	2.09	1.85	1.52
39651CG	27C010-15+	DIP-32	128k x 8	150ns, 5V	2.09	1.90	1.75
74624CG	27C010-12+	DIP-32	128k x 8	120ns, 5V	1.99	1.90	1.70
79231CG	27C010-10+	DIP-32	128k x 8	100ns, 5V	2.09	1.75	1.60
137699CG	27C010-80+	DIP-32	128k x 8	80ns, 5V	5.15	4.61	4.09
146149CG	27C010-70+	DIP-32	128k x 8	70ns, 5V	2.49	2.29	2.09
266095CG	27C010-55+	DIP-32	128k x 8	55ns, 5V	3.19	2.65	2.12
137701CG	27C010-45+	DIP-32	128k x 8	45ns, 5V	3.15	2.86	2.60
65681CG	27C020-20+	DIP-32	256k x 8	200ns, 5V	2.95	2.60	2.40
65699CG	27C020-15+	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852CG	27C020-12+	DIP-32	256k x 8	120ns, 5V	4.35	4.15	3.95
156267CG	27C020-10+	DIP-32	256k x 8	100ns, 5V	2.85	2.65	2.18
203650CG	27C020-80+	DIP-32	256k x 8	80ns, 5V	3.45	2.90	2.60
266108CG	27C020-70+	DIP-32	256k x 8	70ns, 5V	4.35	3.85	2.90
266116CG	27C020-55+	DIP-32	256k x 8	55ns, 5V	3.49	3.19	2.90
127933CG	27C040-12+	DIP-40	256k x 16	120ns, 5V	6.95	5.91	4.43
85462CG	27C040-15+	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293CG	27C040-12+	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
111780CG	27C040-10+	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.26
203676CG	27C040-80+	DIP-32	512k x 8	80ns, 5V	5.05	4.99	4.95
266124CG	27C040-70+	DIP-32	512k x 8	70ns, 5V	5.05	4.35	3.75
266132CG	27C040-55+	DIP-32	512k x 8	55ns, 5V	5.05	4.75	3.56
203668CG	27C040-45+	DIP-32	512k x 8	45ns, 5V	6.15	5.85	5.58
140003CG	27C080-12+	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
265842CG	27C800-12+	DIP-42	1M x 8	120ns, 5V	12.59	11.59	10.59
156275CG	27C080-10+	DIP-32	1M x 8	100ns, 5V	11.05	10.20	7.65
203684CG	27C080-90+	DIP-32	1M x 8	90ns, 5V	10.85	10.15	7.61
156283CG	27C160-10+	DIP-42	2M x 8	100ns, 5V	18.95	18.05	13.37

+ Refurbished = Backed by Jameco

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



EPROM

NEW

DIP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
698331CG	M27C64A-20F1	DIP-28	8k x 8	200ns, 5V	\$3.69	\$3.59	\$3.49
698349CG	M27C64A-20F6	DIP-28	8k x 8	200ns, 5V	3.69	3.59	3.49
698322CG	M27C64A-15F1	DIP-28	8k x 8	150ns, 5V	3.69	3.59	3.49
698111CG	M27C256B-15F1	DIP-28	32k x 8	150ns, 5V	2.29	2.23	2.16
698091CG	M27C256B-12F1	DIP-28	32k x 8	120ns, 5V	2.29	2.23	2.16
698103CG	M27C256B-12F6	DIP-28	32k x 8	120ns, 5V	2.29	2.23	2.16
698082CG	M27C256B-10F1	DIP-28	32k x 8	100ns, 5V	2.29	2.23	2.16
698138CG	M27C256B-90F6	DIP-28	32k x 8	90ns, 5V	2.29	2.23	2.16
698120CG	M27C256B-70XF1	DIP-28	32k x 8	70ns, 5V	2.29	2.23	2.16
698218CG	M27C512-10F1	DIP-28	64k x 8	100ns, 5V	2.39	2.33	2.26
698306CG	M27C512-90F1	DIP-28	64k x 8	90ns, 5V	2.39	2.33	2.26
698314CG	M27C512-90F6	DIP-28	64k x 8	90ns, 5V	2.39	2.33	2.26
698277CG	M27C512-70XF1	DIP-28	64k x 8	70ns, 5V	2.39	2.33	2.26
698251CG	M27C512-45XF1	DIP-28	64k x 8	45ns, 5V	2.39	2.33	2.26
698234CG	M27C512-15F1	DIP-28	64k x 8	150ns, 5V	2.39	2.33	2.26
698242CG	M27C512-15F6	DIP-28	64k x 8	150ns, 5V	2.39	2.33	2.26
698226CG	M27C512-12F1	DIP-28	64k x 8	120ns, 5V	2.39	2.33	2.26
697987CG	M27C1001-15F1	DIP-32	128k x 8	150ns, 5V	2.85	2.77	2.69
697961CG	M27C1001-12F1	DIP-32	128k x 8	120ns, 5V	2.85	2.77	2.69
697979CG	M27C1001-12F6	DIP-32	128k x 8	120ns, 5V	2.85	2.77	2.69
697944CG	M27C1001-10F1	DIP-32	128k x 8	100ns, 5V	2.85	2.77	2.69
698007CG	M27C1001-70F1	DIP-32	128k x 8	70ns, 5V	2.85	2.77	2.69
697995CG	M27C1001-45XF1	DIP-32	128k x 8	45ns, 5V	2.85	2.77	2.69
698058CG	M27C2001-15F1	DIP-32	256k x 8	150ns, 5V	3.89	3.78	3.67
698031CG	M27C2001-12F1	DIP-32	256k x 8	120ns, 5V	3.89	3.76	3.65
698040CG	M27C2001-12F6	DIP-32	256k x 8	120ns, 5V	3.89	3.78	3.67
698023CG	M27C2001-10F1	DIP-32	256k x 8	100ns, 5V	3.89	3.78	3.67
698066CG	M27C2001-70XF1	DIP-32	256k x 8	70ns, 5V	3.89	3.78	3.67
698197CG	M27C4002-10F1	DIP-40	256k x 8	100ns, 5V	7.85	7.63	7.41
698200CG	M27C4002-12F1	DIP-40	256k x 8	120ns, 5V	7.85	7.63	7.41
698171CG	M27C4001-15F1	DIP-32	512k x 8	150ns, 5V	5.25	5.10	4.96
698154CG	M27C4001-12F1	DIP-32	512k x 8	120ns, 5V	5.25	5.10	4.96
698162CG	M27C4001-12F6	DIP-32	512k x 8	120ns, 5V	5.25	5.10	4.96
698146CG	M27C4001-10F1	DIP-32	512k x 8	100ns, 5V	5.25	5.10	4.96
698189CG	M27C4001-80XF1	DIP-32	512k x 8	80ns, 5V	5.25	5.10	4.96
698357CG	M27C801-100F1	DIP-32	1M x 8	100ns, 5V	4.49	4.37	4.24

See EPROM programmers and erasers on pages 329, 330 & 331

EPROM Accessories

Part No.	Cross Ref.	Description	1	5
13864CG	CF2	Conductive foam (12" x 24" x .25") hard black	\$9.29	\$8.35
15712CG	DE4	8-chip UV-EPROM eraser, pg 331	106.85	101.49

OTP/PROM

DIP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48531CG	74S188	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$4.39	\$3.95	\$3.45
48717CG	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	8.15	7.03	6.04
27844CG	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764CG	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	9.49	9.10	8.65
48696CG	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	11.95	10.75	9.69
48805CG	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.09	2.79	2.55
27772CG	N82S126	DIP-16	256 x 4	1-kbit, 5V, 50ns, PROM	9.35	8.15	7.10
27781CG	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	9.95	9.45	8.30
48910CG	74S571	DIP-16	512 x 4	2-kbit, 5V, 35ns, PROM	5.69	5.45	4.95
27799CG	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	7.99	6.99	5.99
48928CG	74S573	DIP-18	1k x 4	4-kbit, 5V, 35ns, PROM	4.25	3.61	3.25
27801CG	N82S137	DIP-18	1k x 4	4-kbit, 7V, 60ns, PROM	6.95	6.25	5.65
27810CG	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	6.59	5.59	4.89
27828CG	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	3.89	3.19	3.09
27836CG	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	8.95	7.85	7.15
394978CG	AT27C256R-45J1	PLCC-32	32k x 8	256-kbit, 5V, 45ns, I-temp. OTP ..	1.09	.95	.89
394986CG	AT27C256R-45P1	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.09	.95	.89

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

EPROM, OTP/PROM & EEPROM

OTP/PROM (Continued)

NEW

DIP PLCC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
266319CG	27C256-70	PLCC-32	32k x 8	256-kbit, 5V, 70ns, OTP	\$1.05	\$.95	\$.75
698074CG	M27C256B-10B6	DIP-28	32k x 8	256-kbit, 5V, 100ns, OTP	1.05	1.02	.99
266280CG	27C256-10	PLCC-32	32k x 8	256-kbit, 5V, 100ns, OTP	1.99	1.69	1.27
266255CG	27C256-15	PLCC-32	32k x 8	256-kbit, 5V, 150ns, OTP	1.15	1.05	.91
266247CG	27C256-20	PLCC-32	32k x 8	256-kbit, 5V, 200ns, OTP	1.59	1.43	1.07
395049CG	AT27C512R-45P1	DIP-28	64k x 8	512-kbit, 5V, 45ns, OTP	1.09	.95	.89
266386CG	27C512-55	PLCC-32	64k x 8	512-kbit, 5V, 55ns, OTP	2.25	2.05	1.54
395081CG	AT27C512R-70P1	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	1.09	.95	.89
698269CG	M27C512-70CS	PLCC-32	64k x 8	512-kbit, 5V, 70ns, OTP	1.15	1.12	1.09
266351CG	27C512-70	PLCC-32	64k x 8	512-kbit, 5V, 70ns, OTP	1.25	1.15	1.10
698285CG	M27C512-90B6	DIP-28	64k x 8	512-kbit, 5V, 90ns, OTP	1.15	1.12	1.09
698293CG	M27C512-90C6	PLCC-32	64k x 8	512-kbit, 5V, 90ns, OTP	1.15	1.12	1.09
203730CG	27C512-10	PLCC-32	64k x 8	512-kbit, 5V, 100ns, OTP	1.65	1.59	1.55
203692CG	27C512-12 OTP	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.09	1.89	1.79
266343CG	27C512-15	PLCC-32	64k x 8	512-kbit, 5V, 150ns, OTP .....	.95	.83	.62
266335CG	27C512-20	PLCC-32	64k x 8	512-kbit, 5V, 200ns, OTP	1.79	1.52	1.14
394652CG	AT27BV1024-12V1	VSOP-40	64k x 16	1-Mbit, 2.7V, 120ns, I-temp., OTP ..	5.09	4.75	4.70
266811CG	27C010-55	PLCC-32	128k x 8	1-Mbit, 5V, 55ns OTP	2.09	1.85	1.55
394695CG	AT27C010-70J1	PLCC-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	2.15	1.75	1.52
394708CG	AT27C010-70P1	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.25	1.09	1.05
266802CG	27C010-70	PLCC-32	128k x 8	1-Mbit, 5V, 70ns OTP	1.65	1.45	1.10
203705CG	27C010-10 OTP	DIP-32	128k x 8	1-Mbit, 5V, 100ns OTP	2.29	2.19	1.99
698015CG	M27C1001-10B1	DIP-32	128k x 8	1-Mbit, 5V, 100ns, OTP	1.89	1.84	1.79
203748CG	27C010-10	PLCC-32	128k x 8	1-Mbit, 5V, 100ns OTP	2.09	1.85	1.52
266790CG	27C010-15	PLCC-32	128k x 8	1-Mbit, 5V, 150ns OTP	1.55	1.33	1.00
697952CG	M27C1001-12B1	DIP-32	128k x 8	1-Mbit, 5V, 120ns, OTP	1.69	1.65	1.60
266394CG	27C010-20	PLCC-32	128k x 8	1-Mbit, 5V, 200ns OTP	1.15	1.05	.95
394791CG	AT27C020-90P1	DIP-32	256k x 8	2-Mbit, 5V, 90ns, I-temp., OTP	1.65	1.48	1.41
697936CG	M27C2001-10B1	DIP-32	256k x 8	2-Mbit, 5V, 100ns, OTP	1.69	1.65	1.60
203756CG	27C020-10	PLCC-32	256k x 8	2-Mbit, 5V, 100ns, I-temp., OTP	2.95	2.69	2.44
266888CG	27C020-15	PLCC-32	256k x 8	2-Mbit, 5V, 100ns, OTP	3.09	2.81	2.10
266853CG	27C020-20	PLCC-32	256k x 8	2-Mbit, 5V, 200ns, OTP	2.79	2.67	2.44
698365CG	M27W401-80K6	PLCC-32	512k x 8	2-Mbit, 5V, 100ns, OTP	3.09	3.01	2.92
203764CG	27C040-10	PLCC-32	512k x 8	4-Mbit, 2.7V to 3.6V, 80ns, OTP	3.85	3.50	3.18
267160CG	27C040-15	PLCC-32	512k x 8	4-Mbit, 5V, 150ns, OTP	2.89	2.45	2.15
267303CG	27C080-10	PLCC-32	1M x 8	8-Mbit, 5V, 100ns, OTP	9.89	8.82	6.60
267215CG	27C080-15	PLCC-32	1M x 8	8-Mbit, 5V, 150ns, OTP	4.29	3.90	2.92

Blue Part No. = Limited Quantity Available

EEPROM

DIP SOIC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276584CG	24C00	SOIC-8	16 x 8	2-wire serial, 5V	\$.32	\$.27	\$.20
276568CG	24C00	DIP-8	16 x 8	2-wire serial, 5V .....	.29	.26	.22
200627CG	24C44	DIP-8	16 x 16	Serial, 5V	1.99	1.69	1.26
276955CG	93C46	SOIC-8	64 x 16	3-wire serial, 2-5V .....	.39	.32	.29
102058CG	93C46	DIP-8	64 x 16	3-wire serial, 2-5V .....	.43	.32	.24
276592CG	24C01	DIP-8	128 x 8	2-wire serial, 2-5V .....	.36	.30	.25
276621CG	24C01	SOIC-8	128 x 8	2-wire serial, 2-5V .....	.29	.25	.18
368649CG	AT2401A-10P1-27	DIP-8	128 x 8	2-wire serial, 2.7V, I-temp. ....	.28	.20	.19
368711CG	AT2401A-10S1-27	SOIC-8	128 x 8	2-wire serial, 2.7V, I-temp. ....	.56	.481	.454
276971CG	93C56	SOIC-8	128 x 16	3-wire serial, 2-5V .....	.45	.42	.35
108855CG	93C56	DIP-8	128 x 16	3-wire serial, 2-5V .....	.29	.26	.24
276630CG	24C02	SOIC-8	256 x 8	2-wire serial, 5V .....	.37	.31	.233
368868CG	AT2402A-10S1-27	SOIC-8	256 x 8	2-wire serial, 2.7V, I-temp. ....	.62	.59	.545
368913CG	AT2402A-10S1-18	SOIC-8	256 x 8	2-wire serial, 1.8V, I-temp. ....	.58	.46	.415
108839CG	24C02P	DIP-8	256 x 8	2-wire serial, 5V .....	.40	.38	.28
369617CG	AT2502A-10P1-27	DIP-8	256 x 8	SPI serial, 2.7V, I-temp. ....	.56	.54	.49
276980CG	93C66	SOIC-8	256 x 16	3-wire serial, 2-5V .....	.37	.36	.27
200598CG	93C66	DIP-8	256 x 16	3-wire Serial, 2-5V .....	.51	.42	.31
276648CG	24C04	SOIC-8	512 x 8	2-wire serial, 2-5V .....	.34	.29	.22
368930CG	AT2404A-10P1-27	DIP-8	512 x 8	2-wire serial, 2.7V, I-temp. ....	.53	.48	.33
108847CG	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V .....	.71	.64	.48

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

EEPROM (Continued)



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
369086CG	AT2404AN-10S1-27	SOIC-8	512 x 8	2-wire serial, 2.7V, I-temp.	\$.69	\$.66	\$.60
276664CG	24C08	SOIC-8	1k x 8	2-wire serial, 2-5V .....	.30	.29	.27
200547CG	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V .....	.79	.72	.65
369220CG	AT2408AN-10S1-27	SOIC-8	1k x 8	2-wire serial, 2.7V, I-temp. ....	.31	.305	.285
277018CG	93C86	SOIC-8	1k x 16	3-wire serial, 2-5V .....	.90	.88	.79
200601CG	93C86	DIP-8	1k x 16	3-wire serial, 2-5V .....	.72	.59	.44
276681CG	24C16	SOIC-8	2k x 8	2-wire serial, 2-5V .....	.45	.42	.37
200555CG	24C16-10	DIP-8	2k x 8	2-wire serial, 5V .....	.89	.80	.66
369369CG	AT2416A-10P1-27	DIP-8	2k x 8	2-wire serial, 2.7V, I-temp. ....	.43	.33	.32
368809CG	AT2416AN-10S1-18	SOIC-8	2k x 8	2-wire serial, 1.8V, I-temp. ....	.42	.407	.378
368948CG	AT2416AN-10S1-27	SOIC-8	2k x 8	2-wire serial, 2.7V, I-temp. ....	.37	.36	.34
369836CG	AT25160-10P1-18	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	1.49	1.45	1.39
369810CG	AT25160A-10P1-18	DIP-8	2k x 8	SPI serial, 1.8V, I-temp. ....	.52	.50	.453
369852CG	AT25160AN-10S1-27	SOIC-8	2k x 8	SPI serial, 2.7V, I-temp. ....	.72	.60	.53
395292CG	AT28BV16-25JC	PLCC-32	2k x 8	2.7V	3.25	3.22	3.19
276699CG	28C16	SOIC-24	2k x 8	Page parallel, 5V	2.45	1.98	1.73
74691CG	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.99	3.69	3.39
276701CG	28C17	DIP-28	2k x 8	Page parallel, 5V	2.29	2.05	1.95
40416CG	2817A-25	DIP-28	2k x 8	Page parallel, 5V	7.15	6.45	5.85
276728CG	24C32	SOIC-8	4k x 8	2-wire serial, 5V .....	.36	.34	.32
200563CG	24C32-10	DIP-8	4k x 8	2-wire serial, 5V	1.08	.87	.77
369449CG	AT24C32A-10P1-27	DIP-8	4k x 8	2-wire serial, 2.7V, I-temp. ....	.76	.65	.47
369473CG	AT24C32AN-10S1-18	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp. ....	.47	.46	.42
369481CG	AT24C32AN-10S1-27	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	1.09	.86	.77
369502CG	AT24C32AN-10S1-27	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	2.35	1.43	1.27
369983CG	AT25320AN-10S1-27	SOIC-8	4k x 8	SPI serial, 2.7V, I-temp.	1.49	1.43	1.30
276744CG	24C64	SOIC-8	8k x 8	2-wire serial, 2-5V .....	.49	.45	.42
369570CG	AT24C64A-10T1-27	TSSOP-8	8k x 8	2-wire serial, 2.7V, I-temp.	4.35	3.85	3.73
369537CG	AT24C64AN-10S1-27	SOIC-8	8k x 8	2-wire serial, 2.7V, I-temp. ....	.49	.48	.46
200619CG	24C65	DIP-8	8k x 8	2-wire serial, 2-5V	2.15	2.05	1.85
368737CG	AT25640AN-10S1-18	SOIC-8	8k x 8	SPI serial, 1.8V, I-temp.	1.15	1.15	.97
276752CG	28C64	SOIC-28	8k x 8	Page parallel, 5V	3.69	3.14	2.35
74827CG	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	4.45	3.80	3.65
40475CG	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
276787CG	24C128	SOIC-8	16k x 8	2-wire serial, 2-5V	1.05	.89	.67
200571CG	24C128-10	DIP-8	16k x 8	2-wire serial, 2-5V	1.65	1.35	1.20
369271CG	AT24C128-10P1-18	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.86	1.65
369289CG	AT24C128-10P1-27	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.85	1.70
369326CG	AT24C128N-10S1-27	SOIC-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.83	1.68
276808CG	24C256	SOIC-8	32k x 8	2-wire serial, 5V	1.45	1.23	.92
200580CG	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.35	1.90	1.70
369406CG	AT24C256N-10S1-18	SOIC-8	32k x 8	2-wire serial, 1.8V, I-temp.	3.15	2.54	2.25
369414CG	AT24C256N-10S1-27	SOIC-8	32k x 8	2-wire serial, 2.7V, I-temp.	3.45	3.10	2.80
395330CG	AT28BV256-20SC	SOIC-28	32k x 8	Page parallel, 2.7V	11.45	11.05	10.70
276816CG	28C256	SOIC-28	32k x 8	Page parallel, 5V	8.49	7.22	5.41
74878CG	28C256-25	DIP-28	32k x 8	Page parallel, 5V	8.25	7.10	7.05
74843CG	28C256-15	DIP-28	32k x 8	Page parallel, 5V	8.99	6.89	6.19
276875CG	24C512	SOIC-8	64k x 8	2-wire serial, 2-5V	2.15	2.07	1.98
276832CG	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.15	2.08	1.91
276921CG	24C1024	SOIC-8	128k x 8	2-wire serial, 2.7-5V	5.09	4.62	4.20
276912CG	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	6.65	5.18	4.77
276947CG	28C010	PLCC-32	128k x 8	Page parallel, 5V	23.75	16.19	12.14
242253CG	28C010-15	DIP-32	128k x 8	Page parallel, 5V	30.85	28.05	25.50
395372CG	AT28LV010-20TC	TSSOP-32	128k x 8	Page parallel, 3.3V	37.29	35.99	34.69

EEPROM

NEW

SO-8

* Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
697856CG	M24C02-WMN6P	SO-8	256 x 8	2.5-5.5V, 2-kbit serial I ² C bus	\$.25	\$.242	\$.235
697864CG	M24C02-WMN6P	SO-8	256 x 8	2.5-5.5V, 2-kbit serial I ² C bus .....	.25	.242	.235
697872CG	M24C02-WMN6TP	SO-8	256 x 8	2.5-5.5V, 2-kbit serial I ² C bus .....	.25	.242	.235
697881CG	M24C04-WMN6P	SO-8	512 x 8	2.5-5.5V, 4-kbit serial I ² C bus .....	.25	.242	.235
697899CG	M24C04-WMN6TP	SO-8	512 x 8	2.5-5.5V, 4-kbit serial I ² C bus .....	.25	.242	.235
697901CG	M24C16-WMN6P	SO-8	2k x 8	2.5-5.5V, 16-kbit serial I ² C bus .....	.27	.26	.253

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



EEPROM - Serial

NEW



* Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
695834CG	24LC16B-I/SN	SOIC-8	256 x 8	5V, 400kHz	\$.59	\$.58	\$.56
695931CG	24LC64-I/P	DIP-8	8k x 8	5V, 400kHz .....	.89	.87	.84
695957CG	24LC64-I/SN	SOIC-8	8k x 8	5V, 400kHz .....	.89	.87	.84
695973CG	25LC640-I/SN	SOIC-8	8k x 8	5V, 2MHz .....	.99	.97	.94
695818CG	24LC128-I/SN	SOIC-8	16k x 8	5V, 400kHz	1.45	1.41	1.37
695851CG	24LC256-I/SM	SOIC-8	32k x 8	5V, 400kHz	2.05	2.00	1.94
695877CG	24LC256-I/SM	SOIC-8	32k x 8	5V, 400kHz	2.05	1.99	1.93
695893CG	24LC512-I/SM	SOIC-8	64k x 8	5V, 400kHz	3.09	3.01	2.92
695914CG	24LC515-I/SM	SOIC-8	64k x 8	5V, I ² C CMOS	3.39	3.30	3.20



PICDEM™ USB Demo Board

The PICDEM FS USB demonstration kit is designed as an easy-to-use evaluation platform for Microchip's full speed USB solution. The devices in Microchip's new family of USB microcontrollers fully support USB2.0 and serial communications of up to 12Mbits/s. This demonstration kit provides all of the hardware and software needed to demonstrate and develop a complete USB communication solution. The microcontroller for the PICDEM FS USB board is the PIC18F4550, the principal device of the PIC18F2455/2550/4455/4550 family. All of these devices implement power-saving nano-watt technology, enhanced flash program memory and feature USB modules with:

- USB 2.0 compliance
- Full-speed (12Mbit/s) and low-speed 1.5Mbit/s operation
- Support of control, interrupt, bulk and isochronous transfers
- Support of up to 32 end points
- 1Kbyte of dual-access RAM for USB
- On-chip features for a true-single chip USB implementation
- Interface for off-chip USB transceiver

NEW

Part No.	Cross Ref.	Description	1	10	100
697207CG	DM163025	USB demo board	\$95.19	\$92.55	\$89.90



PICkit™ 2 Microcontroller Prog. Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. The operating system (firmware) can be easily upgraded from the programming software. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICkit™ 2 microcontroller programmer, USB cable, and CD ROM.

NEW

Part No.	Cross Ref.	Description	1	10	100
697338CG	DV164120	Programmer starter kit	\$79.35	\$77.12	\$74.92

PHILIPS CAN Controller Interface



Part No.	Cross Ref.	Pkg.	Description	1	10	100
699780CG	PCA82C250N	DIP-8	CAN controller interface, 1 Mbaud	\$1.55	\$1.51	\$1.47
699798CG	PCA82C250TD	SOIC-8	CAN controller interface, 1 Mbaud	1.55	1.51	1.47
699801CG	PCA82C251TD	SOIC-8	CAN transceiver for 24V systems	1.55	1.51	1.47

PHILIPS I²C & SMBus I/O Port w/ Interrupt

Part No.	Cross Ref.	Pkg.	Description	1	10	100
699819CG	PCA9554D	SOIC-16	8-bit I ² C SMBus I/O port w/interrupt	\$1.35	\$1.32	\$1.28
699827CG	PCA9554PW	TSSOP-16	8-bit I ² C SMBus I/O port w/interrupt	1.35	1.32	1.28
699835CG	PCA9555DB	SSOP24	16-bit I ² C SMBus I/O port w/interrupt	1.25	1.22	1.18
699851CG	PCA9555PW	TSSOP-24	16-bit I ² C SMBus I/O port w/interrupt	1.25	1.22	1.18




Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Flash Memory – Serial Flash

SOIC 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
659913CG	M25P05-AVMN6  SOIC-8	64k x 8	3V w/ 20MHz SPI bus interf.	\$1.69	\$1.48	\$1.15	
321605CG	M25P10-AVMN6  SOIC-8	128k x 8	3V w/ 40MHz SPI bus interf.	1.49	1.37	1.24	
321648CG	M25P20-VMN6  SOIC-8	256k x 8	3V w/ 40MHz SPI bus interf.	1.75	1.60	1.45	
321664CG	M25P40-VMN6 SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	3.05	2.88	2.74	
321672CG	M25P80-VMN6 SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	3.35	2.98	2.83	
697928CG	M25P32-VM66 MLP-8	4M x 8	2.7-3.6V w/50MHz SPI bus interface	7.55	7.33	7.12	

* Minimum order 10 pieces

Flash Memory – NOR

PLCC  DIP  TSOP 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
375929CG	AT29LV256-15JC	PLCC-32	32k x 8	150ns, 3V	\$4.15	\$3.95	\$3.75
242552CG	29C512-12	DIP-32	64k x 8	120ns, 5V	5.25	4.25	4.15
242561CG	29F512-90	DIP-32	64k x 8	90ns, 5V	4.69	3.89	3.59
375937CG	AT29LV512-15JC	PLCC-32	64k x 8	90ns, 3V	1.99	1.97	1.95
375785CG	AT49BV512-12JC	PLCC-32	64k x 8	120ns, 2.7V	4.25	4.10	4.05
74771CG	28F010-15	DIP-32	128k x 8	150ns, 5V	5.49	4.12	3.66
376075CG	AT29C010A-70JC	PLCC-32	128k x 8	70ns, 5V	2.35	2.15	2.12
242587CG	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.65	3.15
242595CG	29F010-90	DIP-32	128k x 8	90ns, 5V	5.35	4.34	3.61
242608CG	29F010-70	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.88
375953CG	AT29LV010A-15JC	PLCC-32	128k x 8	150ns, 3V	2.39	2.14	2.12
74835CG	28F020-15	DIP-32	256k x 8	150ns, 5V	7.95	7.15	6.45
376121CG	AT29C020-90JC	PLCC-32	256k x 8	90ns, 5V, I-temp.	3.39	3.10	3.05
242616CG	29F020-12	DIP-32	256k x 8	120ns, 5V	5.35	5.15	4.95
375988CG	AT29LV020-20JC	PLCC-32	256k x 8	200ns, 3V	3.39	3.14	3.10
375814CG	AT49BV002A-70JC	PLCC-32	256k x 8	70ns, 2.7V, I-temp.	1.65	1.58	1.51
376366CG	AT49C020A-55JC	PLCC-32	256k x 8	55ns, 5V, I-temp.	2.05	1.85	1.78
242659CG	29F040-120	DIP-32	512k x 8	120ns, 5V	8.95	8.65	8.25
242667CG	29F040-90	DIP-32	512k x 8	90ns, 5V	9.05	8.60	8.15
698373CG	M29F040B45K1	PLCC-32	512k x 8	45ns, 5V, uniform block	2.29	2.22	2.15
698381CG	M29F040B70K6	PLCC-32	512k x 8	70ns, 5V, uniform block3	2.29	2.22	2.15
375996CG	AT29LV040A-15JC	PLCC-32	512k x 8	150ns, 3V	4.39	4.20	4.10
375911CG	AT49BV040A-70JC	PLCC-32	512k x 8	70ns, 2.7V, I-temp.	2.05	2.03	2.01
698390CG	M29F400B45N1	TSOP-48	512k x 8	45ns, 5V, bottom boot	2.29	2.22	2.15
698402CG	M29W040B90K1	PLCC-32	512k x 8	90ns, 2.7-3.6V, uniform block	2.29	2.22	2.15
277270CG	29F800-120	TSOP-48	1M x 8	120ns, 5V	3.45	3.14	2.85
277288CG	29F800-120	TSOP-48	1M x 8	120ns, 5V	3.25	3.12	2.95
277448CG	28F128-150	TSOP-56	16M x 8	150ns, 2.7V	21.09	19.00	17.10






MICRON DDR SDRAM

NEW



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
699093CG	MT46V16M16FG-6F	FBGA-60	16M x 16	333MHz, 6ns	\$10.65	\$10.32	\$10.02
699106CG	MT46V16M16P-6T	TSOP-66	16M x 16	333MHz, 6ns	7.95	7.73	7.51
699114CG	MT46V16M16TG-5B	TSOP-66	16M x 16	400BMHz, 5ns	8.45	8.21	7.98
699122CG	MT46V16M16TG-6T	TSOP-66	16M x 16	333MHz, 6ns	7.95	7.71	7.49
699131CG	MT46V16M16TG-75	TSOP-66	16M x 16	266BMHz, 7.5ns	7.95	7.73	7.51
699149CG	MT46V32M16FN-6F	FBGA-60	32M x 16	333MHz, 6ns	24.79	24.09	23.40
699165CG	MT46V32M16P-6T	TSOP-66	32M x 16	333MHz, 6ns	13.89	13.50	13.11
699181CG	MT46V32M16TG-6T	TSOP-66	32M x 16	333MHz, 6ns, ind. temp	17.39	16.87	16.39
699202CG	MT46V32M16TG-6T	TSOP-66	32M x 16	333MHz, 6ns	13.89	13.50	13.11

MICRON SDRAM

NEW

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
699229CG	MT48LC16M16A2BG-75D 	VFBGA-54	16M x 16	133MHz, 7.5ns	\$13.89	\$13.50	\$13.11
699237CG	MT48LC16M16A2FG-75D 	VFBGA-54	16M x 16	133MHz, 7.5ns, ind. temp	16.69	16.20	15.74
699245CG	MT48LC16M16A2FG-75D 	VFBGA-54	16M x 16	133MHz, 7.5nsx	13.89	13.50	13.11
699253CG	MT48LC16M16A2P-75D 	TSOP-54	16M x 16	133MHz, 7.5ns, ind. temp	13.89	13.50	13.11
699261CG	MT48LC16M16A2P-75D 	TSOP-54	16M x 16	133MHz, 7.5ns	12.49	12.14	11.79
699270CG	MT48LC16M16A2P-7E	TSOP-54	16M x 16	133MHz, 7.5ns	12.49	12.14	11.79
699288CG	MT48LC16M16A2TG-6A	TSOP-54	16M x 16	167MHz, 6ns	13.39	13.02	12.65
699296CG	MT48LC16M16A2TG-75D	TSOP-54	16M x 16	133MHz, 7.5ns, ind. temp	13.89	13.50	13.11
699309CG	MT48LC16M16A2TG-75D	TSOP-54	16M x 16	133MHz, 7.5ns, low power	13.89	13.50	13.11
699317CG	MT48LC16M16A2TG-75D	TSOP-54	16M x 16	133MHz, 7.5ns	12.55	12.15	11.80
699325CG	MT48LC16M16A2TG-75D	TSOP-54	16M x 16	133MHz, 7.5ns	12.49	12.14	11.79










♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend
New Sale Lower\$ QtySave

MICRON SDRAM (Continued)

NEW

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
699333CG	MT48LC16M16A2TG-75D 	TSOP-54	16M x 16	133MHz, 7.5ns	\$12.55	\$12.15	\$11.80
699341CG	MT48LC2M32B2P-75G 	TSOP-86	2M x 32	143MHz, 5.5ns	6.15	5.98	5.81
699350CG	MT48LC2M32B2TG-55G 	TSOP-86	2M x 32	183MHz, 5ns	6.19	5.98	5.81
699368CG	MT48LC2M32B2TG-6G 	TSOP-86	2M x 32	166MHz, 5.5ns	6.19	5.98	5.81
699376CG	MT48LC2M32B2TG-75G 	TSOP-86	2M x 32	143MHz, 5.5ns, extended temp.	6.75	6.56	6.37
699384CG	MT48LC2M32B2TG-75G 	TSOP-86	2M x 32	143MHz, 5.5ns	6.19	5.98	5.81
699392CG	MT48LC2M32B2TG-75G TR 	TSOP-86	2M x 32	143MHz, 5.5ns	6.19	5.98	5.81
699405CG	MT48LC32M16A2TG-75D 	TSOP-54	32M x 16	133MHz, 7.5ns, ind. temp.	65.79	63.93	62.10
699413CG	MT48LC32M16A2TG-75G 	TSOP-54	32M x 16	133MHz, 7.5ns	48.05	46.67	45.34
699421CG	MT48LC32M8A2TG-75D	TSOP-54	32M x 8	133MHz, 7.5ns	12.55	12.15	11.80
699430CG	MT48LC32M8A2TG-75D	TSOP-54	32M x 8	133MHz, 7.5ns	12.55	12.15	11.80
699448CG	MT48LC4M16A2P-75G	TSOP-54	4M x 16	133MHz, 7.5ns	5.55	5.40	5.24
699456CG	MT48LC4M16A2TG-75G	TSOP-54	4M x 16	133MHz, 7.5ns, ind. temp.	6.39	6.17	5.99
699464CG	MT48LC4M16A2TG-75G TR	TSOP-54	4M x 16	133MHz, 7.5ns, ind. temp.	6.39	6.17	5.99
699472CG	MT48LC4M16A2TG-75G	TSOP-54	4M x 16	133MHz, 7.5ns	5.59	5.40	5.25
699481CG	MT48LC4M16A2TG-75G TR	TSOP-54	4M x 16	133MHz, 7.5ns	5.55	5.40	5.24
699499CG	MT48LC4M16A2TG-75G	TSOP-54	4M x 16	133MHz, 7.5ns	5.69	5.50	5.34
699501CG	MT48LC64M8A2TG-75G	TSOP-54	16M x 8	100MHz, 6ns	48.05	46.67	45.34
699510CG	MT48LC8M8A2TG-75G	TSOP-54	8M x 8	133MHz, 7.5ns	5.59	5.40	5.25

NVRAM with RTC

NEW

DIP  SOIC 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
698429CG	M48T02-150PC1	DIP-24	2k x 8	5V, 150ns, 16kbit timepr SRAM ..	\$11.95	\$11.61	\$11.28
698437CG	M48T08-150PC1	DIP-28	8k x 8	5V, 150ns, 64kbit timepr SRAM	14.89	14.47	14.05
698445CG	M48T12-150PC1	DIP-24	2k x 8	5V, 150ns, 16kbit timepr SRAM	11.95	11.61	11.28
698453CG	M48T18-150PC1	DIP-28	8k x 8	5V, 150ns, 64kbit timepr SRAM	14.89	14.47	14.05
698461CG	M48T35AV-10MH1E	SOIC-28	32k x 8	3.3V, 10ns, 256kbit timepr SRAM	14.35	13.94	13.54
698470CG	M48T35AV-10PC1	DIP-28	32k x 8	3.3V, 10ns, 256kbit timepr SRAM	13.89	13.50	13.11
698488CG	M48T35V-70PC1	DIP-28	32k x 8	5V, 70ns, 256kbit timepr SRAM	13.89	13.50	13.11
698496CG	M48T86PC1	DIP-24	—	5V PC real-time clock	4.95	4.81	4.67

Legacy DRAM

DIP  SOJ 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41339CG	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	\$.99	\$.84	\$.63
41662CG	4164-150	DIP-16	64k x 1	150ns (MCM6665-15) .....	.59	.53	.48
41574CG	41464-10	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398CG	41256-120	DIP-16	256k x 1	120ns (MB81256-12) .....	.73	.62	.47
42315CG	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374CG	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	2.79	2.49	2.19
128688CG	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75
42219CG	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	2.59	2.33	2.10

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Static RAM

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
38931CG	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$1.69	\$1.55	\$1.35
42198CG	5101	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19	6.49
38957CG	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.29	1.99	1.79
43238CG	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65	3.35
38973CG	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.09	1.89
38981CG	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05	1.85
243475CG	MBM104174A-10	DIP-24	1k x 4	4-Kbit, 5V, 10ns, Asynchronous	.65	.55	.41
392243CG	CY7C131-55JC	PLCC-52	1k x 8	8-Kbit, 5V, 55ns	5.75	4.64	3.96
392462CG	CY7C425V-15ASC	STOFP-64	1k x 18	18-Kbit, 3.3V, 15ns Synch. FIFO	17.79	17.59	17.43
38746CG	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.80	.73	.66
698517CG	M48Z02-200PC1	DIP-24	2k x 8	16-Kbit, 5V, 200ns, zero power	6.95	6.76	6.56
114260CG	DS1220V-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV SRAM	11.95	10.95	9.85
698509CG	M48Z02-150PC1	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power	6.95	6.76	6.56
698533CG	M48Z12-150PC1	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power	7.55	7.34	7.13
25911CG	MK48202B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.25	6.70	6.35
42809CG	6116P-3	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29	1.09
42753CG	6116LP-3	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75	1.59
38738CG	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.25	1.13	.85
42796CG	6116P-2	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.59	1.39	1.29
42788CG	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.69	1.49	1.39
42737CG	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79	1.65
242675CG	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.09	1.99	1.89
242712CG	CY7C128A-15	DIP-24	2k x 8	16-Kbit, 5V, 15ns, Async.	4.15	3.35	2.65
242704CG	CY7C128A-25	DIP-24	2k x 8	16-Kbit, 5V, 25ns, Async.	1.79	1.61	1.45
242691CG	CY7C128A-35	DIP-24	2k x 8	16-Kbit, 5V, 35ns, Async.	3.65	2.95	2.30
242683CG	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Async.	4.25	3.85	3.50
392446CG	CY7C4235V-15ASC	STOFP-64	2k x 18	36-Kbit, 3.3V, 15ns, Synch. FIFO	16.59	16.24	16.08
242721CG	6264-55	DIP-28	8k x 8	64-Kbit, 5V, 55ns, Async.	2.65	2.25	1.68
392294CG	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.09	2.51	2.00
85121CG	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.39	3.05	2.75
42884CG	6264LP-10	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.75	2.49	2.25
42921CG	6264P-10	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.59	2.05	1.99
698525CG	M48Z08-100PC1	DIP-28	8k x 8	64-Kbit, 5V, 100ns, zero power	11.45	11.13	10.81
698541CG	M48Z18-100PC1	DIP-28	8k x 8	64-Kbit, 5V, 100ns, zero power	10.65	10.35	10.05
42892CG	6264LP-12	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.79	2.49	2.19
42930CG	6264P-12	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.39	2.15
114278CG	DS1225AB-150	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV SRAM	15.99	12.65	9.89
114307CG	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV SRAM	15.95	14.49	11.65
242350CG	7C185-20	DIP-28	8k x 8	64-Kbit, 5V, 20ns Async.	2.89	2.29	1.79
242341CG	CY7C185-25	DIP-28	8k x 8	64-Kbit, 5V, 25ns Async.	2.59	2.05	1.79
242333CG	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async.	3.29	2.63	1.99
242499CG	DS1230Y-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, NV SRAM	19.85	15.35	12.75
177113CG	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV SRAM	15.75	14.60	11.75
114323CG	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV SRAM	20.25	17.10	10.25
41970CG	43256-10L	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	5.49	4.99	4.49
41988CG	43256-12L	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49	4.09
242376CG	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Async.	1.99	1.59	1.19
75037CG	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99	2.69
279865CG	62256S-12	SOJ-28	32k x 8	256-Kbit, 5V, 120ns	1.49	1.21	1.05
279857CG	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns	1.49	1.27	.99
82472CG	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.50	4.05
391793CG	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.85	2.30	1.80
391814CG	CY62256L-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns	2.55	2.05	1.65
391822CG	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80
391890CG	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80
392008CG	CY62256VLL-70SNC	SOIC-28	32k x 8	256-Kbit, 3.3V, 70ns, LP	2.39	1.94	1.52
391945CG	CY62256LL-70ZC	TSSOP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80
391865CG	CY62256VLL-70ZC	TSSOP-28	32k x 8	256-Kbit, 3V, 70ns, LP	2.05	1.65	1.40
279814CG	62256S-70	SOJ-28	32k x 8	256-Kbit, 5V, 70ns	1.99	1.79	1.61
42876CG	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.09	2.49	1.99
42833CG	62256LP-10	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	3.20	2.40
42850CG	62256LP-12	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.89	3.49	3.19

⚡ Pull = Extra Savings

🔵 Blue Part No. = Limited Quantity Available

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

🌿 RoHS compliant product

🔵 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Static RAM (Continued)

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
391857CG	CY7C1399B-12VC	SOJ-28	32k x 8	256-Kbit, 3.3V, 12ns, Async.	\$1.55	\$1.50	\$1.48
279849CG	CY7C199-20V	SOJ-28	32k x 8	256-Kbit, 5V, 20ns, Async.	1.99	1.79	1.61
279831CG	CY7C199-25V	SOJ-28	32k x 8	256-Kbit, 5V, 25ns, Async.	1.65	1.39	1.05
279822CG	CY7C199-35V	SOJ-28	32k x 8	256-Kbit, 5V, 35ns, Async.	1.40	1.15	1.05
392382CG	CY7C464A-15JC	PLCC-32	32k x 9	256-Kbit, 5V, 15ns, Async. FIFO	27.09	26.82	26.55
693935CG	M5M5258P-35	DIP-24	64k x 4	256-Kbit, 5V, 35ns	1.95	1.75	1.59
391873CG	CY7C1021C33-12VC	SOJ-44	64k x 16	1-Mbit, 3.3V, 12ns, Async.	2.35	2.05	1.90
391929CG	CY7C1021B33L-15ZC	TSSOP-44	64k x 16	1-Mbit, 3.3V, 15ns, LP Async.	3.29	2.95	2.80
391831CG	CY62128BL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.45	2.05	1.85
391996CG	CY62128BL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30	2.10
279873CG	628128S-70	SOJ-32	128k x 8	1-Mbit, 5V, 70ns	2.49	2.19	1.89
131810CG	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	8.99	7.39	6.69
103982CG	628128LP-85	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	8.49	7.22	5.41
279911CG	CY7C109B-12V	SOJ-32	128k x 8	1-Mbit, 5V, 12ns, Async.	2.99	2.54	2.28
391902CG	CY7C1019CV33-12VC	SOJ-32	128k x 8	1-Mbit, 3.3V, 12ns, Async.	2.55	2.05	1.90
392251CG	CY7C109B-15VC	SOJ-32	128k x 8	1-Mbit, 5V, 15ns, Async.	3.55	2.86	2.25
280014CG	625616S-70	SOJ-44	256k x 16	70ns	7.39	6.28	4.71
392358CG	CY7C1041CV33-12ZC	TSSOP-44	256k x 16	1-Mbit, 3.3V, 12ns, Async.	4.35	4.00	3.70
280031CG	CY7C1041B-15V	SOJ-44	256k x 16	4-Mbit, 5V, 15ns, Async.	8.09	7.09	6.99
392198CG	CY7C1041B-15ZC	TSSOP-44	256k x 16	4-Mbit, 5V, 15ns, Async.	4.69	4.59	4.49
157358CG	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	18.99	16.99	16.19
280049CG	628512S-70	SOJ-32	512k x 8	4-Mbit, 5V, 20ns, Async.	5.49	4.95	4.45
280065CG	CY7C1049B-20V	SOJ-36	512k x 8	4-Mbit, 5V, 70ns, Async.	9.39	8.56	7.79

♣ Pull = Extra Savings

PALs and GALs

Part No.	Cross Ref.	Pkg.	Description	1	10	100
27748CG	N82S100	DIP-28	16 x 48 x 8 field-prog. logic array, 3-st.	\$14.95	\$13.49	\$12.15
28020CG	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	2.25	1.75	1.31
652615CG	16V8-7	DIP-20	7ns 64 x 32 AND array	3.25	2.49	2.25
88399CG	16V8-10	DIP-20	10ns 64 x 32 AND array	2.59	2.35	2.10
37452CG	16V8-15	DIP-20	15ns 64 x 32 AND array	1.39	1.25	1.12
37461CG	16V8-25	DIP-20	25ns 64 x 32 AND array	1.25	1.09	.99
105953CG	18CV8P-25	DIP-20	25ns	2.25	1.91	1.43
88292CG	20V8-10	DIP-24	10ns 64 x 40 AND array	1.85	1.60	1.43
38658CG	20V8-15	DIP-24	15ns 64 x 40 AND array	1.55	1.25	1.15
38666CG	20V8-25	DIP-24	25ns 64 x 40 AND array	1.69	1.49	1.39
235352CG	20VP8-25LJ	PLCC-28	25ns 64 x 40 AND array	1.35	1.22	1.10
105996CG	22CV10AP-25	DIP-24	25ns	2.59	2.35	2.05
123801CG	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49
39159CG	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.95	3.55
39167CG	22V10-25	DIP-24	25ns 132 x 44 AND array	3.99	3.49	3.09

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P4, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

PEEL™ PLDs

Programmable Electrically Erasable Logic (PEEL™) devices from Anachip are drop-in replacements for: Cypress, Atmel, Altera, Lattice and National PLDs, PALs and GALs*. PEELs offer the convenience of simple and complex logic reprogrammability.

Part No.	Product No.*	Pkg.	Speed	Icc	Inputs	I/O	Vcc	Temp.†	1	10	100
312995CG	16CV8P-25	DIP-20	25ns	12mA	10	8	5	C	\$1.19	\$0.82	\$0.74
105953CG	18CV8P-25	DIP-20	25ns	25mA	10	8	5	C	2.25	1.91	1.43
314886CG	22CV10API-25	DIP-24	25ns	18mA	12	10	5	I	2.85	2.45	1.99
315205CG	22CV10AP-10L	DIP-24	10ns	50mA	12	10	5	C	3.49	3.15	2.04
315125CG	22CV10AP-15L	DIP-24	15ns	35mA	12	10	5	C	2.95	2.63	1.97
105996CG	22CV10AP-25	DIP-24	25ns	5µA	12	10	5	C	2.59	2.35	2.05
315361CG	22CV10AP-7	DIP-24	7ns	50mA	12	10	5	C	4.29	3.19	2.45

† I = Industrial Temp range: -40°C to +85°C; C = Commercial Temp. range: 0 to +70°C

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74AC(T)XXX Advanced CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
AC(T)	DIP	SN74AC(T)XXXN	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	DIP	CD74AC(T)XXXE	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	SOIC	SN74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW
	SOIC	CD74AC(T)XXXM	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW

74AC Series – The AC family offers CMOS inputs and CMOS outputs.



Jameco Value Offering, Save Up To 30%!

Now you can save up to 30% off market prices! Our buyers will find the best deals available from this product family's most popular manufacturers and pass the savings on to you. For this family, you are guaranteed to receive Fairchild, National, On Semi, Philips, ST and/or Toshiba product.†

Texas Instruments Products, Save Up To 20%!

Jameco now offers two ways to save! Our selection of Texas Instruments products will save you about 6-20% off TI and competitive prices. And if your project doesn't require a specific brand of IC, but can be one of five or six major brands, select from the functionally equivalent Jameco Value Offering column, to save up to 30%!



Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74AC00	14	Quad 2-input NAND	74AC74	14	Dual D Flip-Flop	74AC161	16	4b Cntr., Async Clr.	74AC245	20	Octal Transceiver	74AC399	16	Quad 2-Port Reg.
74AC02	14	Quad 2-input NOR	74AC86	14	Quad 2-input OR	74AC163	16	4b Cntr., Sync Clr.	74AC251	16	8:1 Mux, 3-State	74AC521	20	8b ID Comparator
74AC04	14	Hex Inverter	74AC109	16	Dual JK Flip-Flop	74AC169	16	4b Bidir. Counter	74AC253	16	Dual 4:1 Mux, 3-St.	74AC540	20	Octal Buff. Invert.
74AC08	14	Quad 2-input AND	74AC125	16	Quad Buffer, 3-st.	74AC174	16	Hex D Flip-Flop	74AC257	16	Quad 2:1 Mux, 3-St.	74AC541	20	Octal Buff. Non-Inv.
74AC10	14	Triple 3-input NAND	74AC138	16	3:8 Line Decoder	74AC175	16	Quad D Flip-Flop	74AC273	20	Oct D FF, Edge-Trig.	74AC573	20	Octal D Latch, 3-St.
74AC11	14	Triple 3-input AND	74AC139	16	Dual 2:4 Decoder	74AC191	16	4b Bidir. Counter	74AC299	20	8-in Shift/Stor. Reg.	74AC574	20	Oct D FF, Edge-Trig.
74AC14	14	Hex Inverter Schmitt	74AC151	16	8:1 Selector/Mux.	74AC240	20	Octal Buff., Invert.	74AC373	20	Octal D Latch, 3-St.			
74AC20	14	Dual 4-input NAND	74AC153	16	Dual 4:8 Mux.	74AC241	20	Octal Buff., Non-Inv.	74AC374	20	Oct D FF, Edge-Trig.			
74AC32	14	Quad 2-input OR	74AC157	16	Quad 2:1 Mux.	74AC244	20	Octal Buff., 3-St.	74AC377	20	Oct D FF w/ Clk En.			

DIP Package

* Minimum order 10 pieces



Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AC00N	211801CG	.....*	.167	.125	SN74AC00N	256858CG	.....\$	.21	.182 .136
74AC02N	211810CG	.....20	.166	.125	CD74AC02E	256891CG	.....	.21	.182 .137
74AC04N	211828CG	.....28	.241	.168	SN74AC04N	256903CG	.....	.31	.265 .185
74AC08N	211836CG	.....25	.244	.176	SN74AC08N	256911CG	.....	.27	.234 .176
74AC10N	238887CG	.....*	.117	.105	SN74AC10N	256920CG	.....	.27	.227 .17
74AC11N	238895CG	.....37	.31	.233	SN74AC11N	256938CG	.....	.40	.335 .252
74AC14N	211844CG	.....21	.18	.135	SN74AC14N	261366CG	.....	.23	.21 .20
74AC20N	238836CG	.....*	.185	.139	CD74AC20N	261382CG	.....	.22	.201 .152
74AC32N	211852CG	.....23	.199	.149	SN74AC32N	261391CG	.....	.25	.219 .164
74AC74N	211861CG	.....23	.206	.154	SN74AC74N	261403CG	.....	.25	.227 .17
74AC86N	211879CG	.....*	.16	.12	SN74AC86N	261454CG	.....	.20	.182 .136
74AC109N	238908CG	.....34	.29	.232	CD74AC109E	261462CG	.....	.37	.313 .235
74AC125N	238916CG	.....33	.281	.211					
74AC138N	211887CG	.....33	.28	.21	CD74AC138E	261471CG	.....	.36	.308 .231
74AC139N	238730CG	.....20	.184	.138	CD74AC139E	261500CG	.....	.22	.201 .15
74AC151N	238748CG	.....23	.206	.154	CD74AC151E	261526CG	.....	.38	.333 .249
74AC153N	238756CG	.....35	.30	.225	CD74AC153E	261534CG	.....	.38	.324 .243
74AC157N	238764CG	.....43	.32	.24	CD74AC157E	261542CG	.....	.47	.36 .27
74AC161N	238772CG	.....38	.324	.242	CD74AC161E	261551CG	.....	.42	.356 .267
74AC163N	238781CG	.....39	.33	.245	CD74AC163E	261585CG	.....	.42	.356 .266
74AC169N	238799CG	.....93	.84	.77					
74AC174N	238801CG	.....39	.33	.248	CD74AC174E	261593CG	.....	.42	.356 .268
74AC175N	238810CG	.....39	.33	.248					
74AC191N	238828CG	.....89	.67	.61					
74AC240N	211895CG	.....35	.277	.251	SN74AC240N	261614CG	.....	.38	.287 .26
74AC241N	238844CG	.....*	.144	.13	SN74AC241N	261729CG	.....	.28	.258 .221
74AC244N	211908CG	.....21	.18	.13	SN74AC244N	261796CG	.....	.22	.218 .163
74AC245N	211916CG	.....33	.28	.21	SN74AC245N	261817CG	.....	.39	.315 .236
74AC251N	238852CG	.....35	.30	.225					
74AC253N	238861CG	.....33	.28	.21					
74AC257N	238879CG	.....38	.32	.24	CD74AC257E	261956CG	.....	.41	.38 .276
74AC273N	211924CG	.....36	.31	.233	CD74AC273E	261964CG	.....	.39	.335 .252
74AC299N	238924CG	.....52	.44	.36					
74AC373N	211932CG	.....41	.35	.263	SN74AC373N	261981CG	.....	.44	.378 .284
74AC374N	211941CG	.....32	.27	.203	SN74AC374N	262035CG	.....	.35	.292 .225
74AC377N	242763CG	.....25	.222	.20					
74AC399N	238941CG	.....1.49	1.34	1.21					
74AC521N	238959CG	.....44	.37	.278					
74AC540N	238967CG	.....39	.348	.261					
74AC541N	238975CG	.....50	.44	.33	CD74AC541E	262051CG	.....	.54	.478 .359
74AC573N	238983CG	.....22	.194	.175	SN74AC573N	262086CG	.....	.48	.40 .302
74AC574N	238991CG	.....20	.172	.155	SN74AC574N	262094CG	.....	.35	.292 .225

SOIC Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AC00M	263871CG	.....	* .147	.111	SN74AC00D	263880CG	.....	* .16	.122
74AC02M	264081CG	.....	* .116	.087	CD74AC02M	264090CG	.....	.26	.127 .11
74AC04M	264102CG	.....	* .149	.112					
74AC08M	264129CG	.....	* .167	.125	SN74AC08D	264137CG	.....	.26	.182 .136
74AC10M	264145CG	.....	.20 .177	.132	SN74AC10D	264153CG	.....	.22	.194 .145
74AC11M	264161CG	.....	.24 .164	.123	SN74AC11D	264170CG	.....	.26	.179 .134
74AC14M	264196CG	.....	* .166	.124	SN74AC14D	264209CG	.....	.20	.182 .136
74AC20M	264225CG	.....	.24 .21	.157	CD74AC20M	264233CG	.....	.26	.23 .172
74AC32M	264241CG	.....	* .11	.082	SN74AC32D	264268CG	.....	* .127	.095
74AC74M	264276CG	.....	.25 .194	.146	SN74AC74D	264284CG	.....	.28	.212 .159
74AC86M	264292CG	.....	* .149	.111	SN74AC86D	264305CG	.....	.20	.17 .124
74AC109M	264313CG	.....	.24 .199	.149					
74AC125M	264321CG	.....	.24 .199	.149					
74AC138M	264348CG	.....	.28 .236	.177	CD74AC138M	264364CG	.....	.31	.259 .194
74AC139M	264495CG	.....	.21 .199	.149	CD74AC139M	264508CG	.....	.23	.218 .203
74AC151M	264516CG	.....	.28 .224	.168					
74AC153M	264524CG	.....	.26 .224	.168	CD74AC153M	264532CG	.....	.29	.261 .249
74AC157M	264541CG	.....	* .164	.123	CD74AC157M	264559CG	.....	* .179	.134
74AC161M	264567CG	.....	.22 .208	.155	CD74AC161M	264575CG	.....	.24	.229 .17
74AC163M	264583CG	.....	.29 .249	.186	CD74AC163M	264591CG	.....	.32	.273 .26
74AC169M	265818CG	.....	.30 .249	.186					
74AC174M	264840CG	.....	.29 .251	.187	CD74AC174M	264858CG	.....	.32	.273 .204
74AC175M	264866CG	.....	* .14	.122	CD74AC175M	264874CG	.....	.27	.246 .221
74AC191M	264903CG	.....	.69 .63	.60					
74AC240M	264938CG	.....	.28 .236	.177	SN74AC240DW	264971CG	.....	.31	.259 .194
74AC241M	265535CG	.....	* .14	.125	SN74AC241DW	265543CG	.....	.25	.223 .201
74AC244M	265551CG	.....	.28 .24	.179	SN74AC244DW	265560CG	.....	.31	.261 .195
74AC245M	265586CG	.....	.37 .33	.247	SN74AC245DW	265594CG	.....	.41	.374 .281
74AC251M	265607CG	.....	.28 .236	.177	CD74AC251M	265615CG	.....	.31	.259 .239
74AC253M	265623CG	.....	* .164	.123	CD74AC253M	265640CG	.....	.29	.265 .239
74AC257M	265658CG	.....	.26 .224	.168	CD74AC257M	265666CG	.....	.30	.245 .184
74AC273M	265674CG	.....	.25 .19	.143	CD74AC273M	265682CG	.....	.27	.21 .156
74AC299M	265826CG	.....	.85 .77	.69					
74AC373M	265691CG	.....	.30 .265	.199	SN74AC373DW	265703CG	.....	.32	.291 .245
74AC374M	265711CG	.....	* .182	.136	SN74AC374DW	265720CG	.....	.28	.247 .223
74AC377M	265851CG	.....	* .146	.111					
74AC521M	265869CG	.....	.62 .56	.50					
74AC540M	265738CG	.....	.41 .348	.261	CD74AC540M	265746CG	.....	.45	.382 .286
74AC541M	265754CG	.....	.40 .37	.277	CD74AC541M	265762CG	.....	.44	.405 .304
74AC573M	265771CG	.....	.41 .33	.247	SN74AC573DW	265789CG	.....	.45	.36 .27
74AC574M	265797CG	.....	.37 .341	.256	SN74AC574DW	265800CG	.....	.41	.374 .281

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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74ACT Series – The ACT family offers TTL inputs and CMOS outputs



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74ACT00	14	Quad 2-input NAND	74ACT74	14	Dual D Flip-Flop	74ACT161	16	4b Cntr., Async Clr.	74ACT245	20	Octal Transceiver	74ACT533	20	Octal Transp. D Latch
74ACT02	14	Quad 2-input NOR	74ACT86	14	Quad 2-input OR	74ACT163	16	4b Cntr., Sync Clr.	74ACT251	16	8:1 Mux, 3-State	74ACT541	20	Octal Buff. Non-Inv.
74ACT04	14	Hex Inverter	74ACT125	14	Quad Buffer, 3-st.	74ACT174	16	Hex D Flip-Flop	74ACT257	16	Quad 2:1 Mux, 3-St.	74ACT573	20	Octal D Latch, 3-St.
74ACT08	14	Quad 2-input AND	74ACT138	16	3:8 Line Decoder	74ACT175	16	Quad D Flip-Flop	74ACT273	20	Oct D FF, Edge-Trig.	74ACT574	20	Oct D FF, Edge-Trig.
74ACT10	14	Triple 3-input NAND	74ACT139	16	Dual 2:4 Decoder	74ACT240	20	Octal Buff., Invert.	74ACT373	20	Octal D Latch, 3-St.	74ACT715	20	Prog. Video Sync Gen.
74ACT14	14	Hex Inverter Schmitt	74ACT151	16	8:1 Selector/Mux.	74ACT241	20	Octal Buff., Non-Inv.	74ACT374	20	Oct D FF, Edge-Trig.			
74ACT32	14	Quad 2-input OR	74ACT157	16	Quad 2:1 Mux.	74ACT244	20	Octal Buff., 3-St.	74ACT521	20	8b ID Comparator			

DIP Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74ACT00N	211959CG	\$.25	\$.21	\$.156	SN74ACT00N	262326CG	\$.28	\$.24	\$.18
74ACT02N	211967CG	\$.27	.23	.173	CD74ACT02E	262334CG	\$.29	.248	.187
74ACT04N	211975CG	\$.25	.199	.149	SN74ACT04N	262342CG	\$.28	.22	.165
74ACT08N	211983CG	\$.20	.17	.128	SN74ACT08N	262351CG	\$.22	.20	.15
74ACT10N	239046CG	\$.20	.17	.127	SN74ACT10N	262369CG	\$.22	.20	.15
74ACT14N	211991CG	\$.26	.22	.165	SN74ACT14N	262377CG	\$.28	.238	.178
74ACT32N	212003CG	\$.25	.209	.157	SN74ACT32N	262465CG	\$.27	.227	.171
74ACT74N	212011CG	\$.25	.21	.158	SN74ACT74N	262473CG	\$.28	.24	.18
74ACT86N	212020CG	\$.20	.184	.147	SN74ACT86N	262481CG	\$.28	.263	.197
74ACT125N	239003CG	\$.32	.27	.20					
74ACT138N	212038CG	\$.25	.21	.158	CD74ACT138E	262490CG	\$.27	.227	.171
74ACT139N	239011CG	\$.51	.40	.30	CD74ACT139E	262502CG	\$.55	.432	.324
74ACT151N	239020CG	\$.48	.41	.31					
74ACT157N	239038CG	\$.21	.18	.135	CD74ACT157E	262529CG	\$.25	.23	.225
74ACT161N	239071CG	\$.39	.33	.242	CD74ACT161E	262676CG	\$.43	.354	.266
74ACT163N	239062CG	\$.47	.391	.293	CD74ACT163E	262684CG	\$.51	.425	.319
74ACT174N	239054CG	\$.29	.272	.204	CD74ACT174E	262692CG	\$.32	.298	.239
74ACT175N	239089CG	\$.55	.47	.35	CD74ACT175E	262799CG	\$.59	.50	.375
74ACT240N	212046CG	\$.30	.26	.218	CD74ACT240N	262828CG	\$.32	.291	.218
74ACT241N	239097CG	\$.22	.20	.18	SN74ACT241N	263038CG	\$.50	.382	.286
74ACT244N	212054CG	\$.51	.43	.32	SN74ACT244N	263046CG	\$.55	.464	.346
74ACT245N	212062CG	\$.36	.31	.23	SN74ACT245N	263062CG	\$.40	.354	.266
74ACT251N	239100CG	\$.21	.189	.17					
74ACT257N	239126CG	\$.15	.15	.135	CD74ACT257E	263097CG	\$.37	.30	.225
74ACT273N	212071CG	\$.32	.291	.218	CD74ACT273E	263100CG	\$.35	.319	.239
74ACT373N	212089CG	\$.24	.217	.195	SN74ACT373N	263177CG	\$.54	.443	.333
74ACT374N	212097CG	\$.36	.31	.23	SN74ACT374N	263193CG	\$.39	.335	.248
74ACT521N	235230CG	\$.53	.45	.34					
74ACT533N	235248CG	\$.43	.389	.35	SN74ACT533N	263425CG	\$.47	.432	.388
74ACT541N	235264CG	\$.45	.34	.256	CD74ACT541E	263441CG	\$.49	.367	.275
74ACT573N	235272CG	\$.35	.297	.223	SN74ACT573	263468CG	\$.57	.509	.382
74ACT574N	235281CG	\$.53	.45	.338	SN74ACT574N	263476CG	\$.57	.486	.365

SOIC Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74ACT00M	265877CG	.....*	\$ .157	(\$.118)	SN74ACT00M	265885CG	.....*	\$ .172	(\$.129)
74ACT02M	265914CG	.....*	..157	..117	CD74ACT02M	265922CG	.....*	..172	..129
74ACT04M	265957CG	.....*	..166	..124	SN74ACT04M	265949CG	.....*	..182	..136
74ACT08M	266159CG	.....*	..166	..124	SN74ACT08M	266141CG	.....*	..182	..136
74ACT10M	266263CG	.....26	..23	..172	SN74ACT10M	266271CG	.....29	..26	..195
74ACT14M	266298CG	.....*	..174	..13	SN74ACT14M	266301CG	.....20	..191	..143
74ACT32M	266360CG	.....20	..166	..124	SN74ACT32M	266378CG	.....22	..182	..136
74ACT74M	266423CG	.....*	..149	..112	SN74ACT74M	266431CG	.....30	..163	..122
74ACT86M	266440CG	.....28	..141	..105	SN74ACT86M	266458CG	.....30	..154	..116
74ACT125M	266466CG	.....24	..199	..149					
74ACT138M	266474CG	.....25	..245	..184	CD74ACT138M	266482CG	.....27	..265	..199
74ACT139M	266491CG	.....37	..30	..23	CD74ACT139M	266503CG	.....50	..382	..286
74ACT151M	266511CG	.....39	..30	..225					
74ACT157M	266520CG	.....*	..10	..085	CD74ACT157M	266538CG	.....26	..234	..212
74ACT161M	266546CG	.....52	..398	..298	CD74ACT161M	266554CG	.....69	..63	..51
74ACT163M	266562CG	.....39	..30	..225	CD74ACT163M	266571CG	.....43	..32	..24
74ACT174M	266600CG	.....39	..298	..224	CD74ACT174M	266634CG	.....43	..327	..245
74ACT175M	266677CG	.....39	..298	..224	CD74ACT175M	266685CG	.....43	..327	..245
74ACT240M	266731CG	.....46	..37	..282	CD74ACT240M	266749CG	.....50	..41	..307
74ACT241M	266765CG	.....41	..33	..247					
74ACT244M	266896CG	.....*	..174	..13	SN74ACT244M	266909CG	.....21	..19	..143
74ACT245M	266917CG	.....26	..232	..174	SN74ACT245M	266925CG	.....29	..254	..191
74ACT251M	266933CG	.....46	..35	..26					
74ACT257M	266941CG	.....*	..166	..124	CD74ACT257M	266968CG	.....*	..182	..136
74ACT273M	266976CG	.....28	..236	..177	CD74ACT273M	266984CG	.....50	..41	..31
74ACT373M	266992CG	.....40	..33	..25	SN74ACT373M	267004CG	.....44	..36	..28
74ACT374M	267012CG	.....41	..33	..25	SN74ACT374M	267021CG	.....45	..36	..28
74ACT521M	267055CG	.....44	..36	..30					
74ACT533M	267071CG	.....44	..34	..26	SN74ACT533M	267080CG	.....49	..37	..28
74ACT541M	267151CG	.....39	..35	..29	CD74ACT541M	267178CG	.....43	..38	..30
74ACT573M	267274CG	.....41	..33	..25	SN74ACT573M	267282CG	.....45	..36	..27
74ACT574M	267338CG	.....41	..33	..25	SN74ACT574M	267346CG	.....45	..36	..28
74ACT715M	267371CG	9.25	8.35	7.49					

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

TTL Logic Data Book

Texas Instruments

Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages, 1988)

- Size: 6.0" x 8.5"
- Weight: 2.6 lbs.

Part No.	Description	1	10
88225CG	TTL Logic Data Book	\$34.95	\$31.49



IC Test Clip Series

- For temporary connections to DIP package components
- Heavy-duty spring loaded hinge provides positive contact
- 20 AWG insulated gold contacts
- Color: white

22103CG



Blue Part No. = Limited Quantity Available

Part No.	Cross Ref.	Description	1	10	25
22103CG	JTC16	16-pin (for 8, 14 and 16-pin ICs)	\$6.95	\$6.25	\$5.59
22120CG	JTC20	20-pin (for 18 and 20-pin ICs)	8.95	6.50	5.35
22162CG	JTC28	28-pin (for 24 and 28-pin ICs)	10.95	9.95	8.95
22189CG	JTC40	40-pin (for 32 and 40-pin ICs)	11.95	11.35	10.75

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74AHC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba	Samsung
AHC(T)	DIP	SN74AHC(T)XXXN	74AHC(T)XXXN	MM74VHC(T)XXXN	—	—	—	—	KS74AHC(T)XXXN
	SOIC	SN74AHC(T)XXXD/DW	74AHC(T)XXXM	MM74VHC(T)XXXM/MM	MC74VHC(T)XXXD	M74VHC(T)XXXM	74AHC(T)XXXD	TC74VHC(T)XXXFN/FW	—

74AHC Series – The AHC family offers CMOS inputs and CMOS outputs

AHC(T) = VHC(T)



SOIC



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74AHC00	14	Quad 2-input NAND	74AHC14	14	Hex Inverter Schmitt	74AHC138	16	3:8 Line Decoder	74AHC244	20	Octal Buff., 3-St.	74AHC541	20	Octal Buff. Non-Inv.
74AHC02	14	Quad 2-input NOR	74AHC32	14	Quad 2-input OR	74AHC139	16	Dual 2:4 Decoder	74AHC245	20	Octal Transceiver	74AHC574	20	Oct D FF, Edge-Trig.
74AHC04	14	Hex Inverter	74AHC74	14	Dual D Flip-Flop	74AHC157	16	Quad 2:1 Mux.	74AHC373	20	Octal D Latch, 3-St.			
74AHC08	14	Quad 2-input AND	74AHC86	14	Quad 2-input OR	74AHC240	20	Octal Buff., Invert.	74AHC374	20	Oct D FF, Edge-Trig.			

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AHC02N	214105CG	\$.24	\$.20	\$.185	SN74AHC00N	287726CG	\$.36	\$.30	\$.21
74AHC04N	214113CG	\$.24	.216	.18	SN74AHC02N	287742CG	\$.26	.216	.162
74AHC08N	214121CG	\$.23	.20	.15	SN74AHC04N	287751CG	\$.28	.238	.162
74AHC14N	214130CG	\$.43	.36	.27	SN74AHC08N	287777CG	\$.25	.216	.162
74AHC32N	214148CG	\$.43	.36	.27	SN74AHC14N	288171CG	\$.46	.389	.292
74AHC74N	214156CG	\$.24	.22	.18	SN74AHC32N	288198CG	\$.46	.324	.292
74AHC86N	214164CG	\$.23	.20	.15	SN74AHC74N	288201CG	\$.30	.29	.21
74AHC138N	243213CG	\$.25	.244	.183	SN74AHC86N	288219CG	\$.25	.216	.162
74AHC139N	243221CG	\$.26	.244	.224	SN74AHC138N	288286CG	\$.46	.37	.26
74AHC157N	243230CG	\$.40	.324	.286	SN74AHC139N	288294CG	\$.49	.41	.32
74AHC240N	214172CG	\$.44	.35	.263	SN74AHC157N	288382CG	\$.43	.35	.326
74AHC245N	214199CG	\$.33	.28	.21	SN74AHC240N	288315CG	\$.48	.378	.284
74AHC374N	214210CG	\$.44	.374	.281	SN74AHC244N	288323CG	\$.36	.291	.221
74AHC541N	214228CG	\$.40	.34	.255	SN74AHC245N	288331CG	\$.36	.302	.227
74AHC574N	214236CG	\$.40	.332	.249	SN74AHC373N	288340CG	\$.48	.40	.30
					SN74AHC374N	288358CG	\$.48	.404	.303
					SN74AHC541N	288366CG	\$.43	.367	.275
					SN74AHC574N	288374CG	\$.58	.448	.337

SOIC Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AHC00M	289650CG	... \$.30	\$.253	\$.176	SN74AHC00D	289641CG	... \$.32	\$.27	\$.19
74AHC02M	289676CG	... \$.30	.291	.202	SN74AHC02D	289668CG	... \$.32	.31	.22
74AHC04M	289748CG	... \$.30	.291	.202	SN74AHC04D	289721CG	... \$.32	.31	.22
74AHC08M	289772CG	... \$.36	.291	.202	SN74AHC08D	289764CG	... \$.40	.32	.22
74AHC14M	289801CG	... \$.26	.224	.159	SN74AHC14D	289799CG	... \$.29	.25	.18
74AHC32M	289941CG	... \$.35	.291	.202	SN74AHC32D	289932CG	... \$.39	.319	.221
74AHC74M	289967CG	... \$.36	.291	.202	SN74AHC74D	289959CG	... \$.40	.32	.22
74AHC86M	289991CG	... \$.20	.158	.143	SN74AHC86D	289983CG	... \$.22	.173	.156
74AHC138M	290044CG	... \$.39	.34	.277	SN74AHC138D	290036CG	... \$.42	.373	.304
74AHC139M	290079CG	... \$.44	.332	.277	SN74AHC139D	290061CG	... \$.48	.38	.30
74AHC240M	290116CG	... \$.46	.349	.269	SN74AHC240DW	290108CG	... \$.50	.38	.29
74AHC244M	290183CG	... \$.37	.299	.227	SN74AHC244DW	290175CG	... \$.41	.33	.25
74AHC245M	290204CG	... \$.39	.299	.227	SN74AHC245DW	290191CG	... \$.43	.33	.25
74AHC373M	290239CG	... \$.39	.299	.227	SN74AHC373DW	290212CG	... \$.43	.33	.25
74AHC374M	290255CG	... \$.26	.216	.193	SN74AHC374DW	290247CG	... \$.29	.237	.212
74AHC541M	290280CG	... \$.46	.349	.265	SN74AHC541DW	290271CG	... \$.50	.38	.29
74AHC574M	290319CG	... \$.26	.216	.203	SN74AHC574DW	290298CG	... \$.29	.237	.213

74AHCT Series – The AHCT family offers TTL inputs with CMOS outputs.

AHC(T) = VHC(T)



SOIC



Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74AHCT00	14	Quad 2-input NAND	74AHCT08	14	Quad 2-input AND	74AHCT86	14	Quad 2-input OR	74AHCT240	20	Octal Buff., Invert.
74AHCT02	14	Quad 2-input NOR	74AHCT14	14	Hex Inverter Schmitt	74AHCT138	16	3:8 Line Decoder	74AHCT244	20	Octal Buff., 3-St.
74AHCT04	14	Hex Inverter	74AHCT74	14	Dual D Flip-Flop	74AHCT139	16	Dual 2:4 Decoder	74AHCT245	20	Octal Transceiver

DIP Package



Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AHCT00N	43844CG	\$.24	\$.173	\$.115	SN74AHCT00N	288454CG	\$.26	\$.187	\$.122
74AHCT02N	43852CG	\$.32	.27	.20	SN74AHCT02N	288489CG	\$.36	.30	.21
74AHCT04N	43861CG	\$.30	.266	.185	SN74AHCT04N	288497CG	\$.34	.30	.21
74AHCT08N	63431CG	\$.30	.26	.19	SN74AHCT08N	288569CG	\$.32	.291	.202
74AHCT14N	63458CG	\$.32	.27	.19	SN74AHCT14N	288577CG	\$.35	.291	.202
74AHCT74N	43924CG	\$.32	.27	.20	SN74AHCT74N	288649CG	\$.35	.291	.202
74AHCT86N	43932CG	\$.21	.18	.13	SN74AHCT86N	288657CG	\$.23	.19	.17
74AHCT138N	243248CG	\$.33	.282	.212	SN74AHCT138N	288673CG	\$.36	.306	.23
74AHCT139N	243256CG	\$.26	.252	.189	SN74AHCT139N	288711CG	\$.29	.28	.20
74AHCT240N	214244CG	\$.26	.241	.181	SN74AHCT240N	288737CG	\$.29	.259	.248
74AHCT244N	63466CG	\$.27	.221	.165	SN74AHCT244N	288868CG	\$.29	.24	.21
74AHCT245N	43887CG	\$.39	.299	.227	SN74AHCT245N	288884CG	\$.43	.328	.248
74AHCT373N	43908CG	\$.26	.22	.193	SN74AHCT373N	288892CG	\$.29	.237	.214
74AHCT374N	43916CG	\$.26	.22	.165	SN74AHCT374N	288913CG	\$.29	.237	.212
74AHCT574N	214252CG	\$.42	.36	.27	SN74AHCT574N	288964CG	\$.45	.389	.292

SOIC Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74AHCT00M	289060CG	.. \$.22	\$.183	\$.143	SN74AHCT00D	289051CG	... \$.24	\$.20	\$.16
74AHCT04M	289094CG	..... *	.149	.126	SN74AHCT04D	289086CG	..... 21	.16	.14
74AHCT08M	289158CG	..... *	.149	.134	SN74AHCT08D	289140CG	..... 21	.16	.15
74AHCT14M	289174CG	..... *	.133	.118	SN74AHCT14D	289166CG	..... *	.146	.129
74AHCT74M	289254CG	..... 26	.224	.159	SN74AHCT74D	289262CG	..... 29	.25	.18
74AHCT86M	289297CG	..... 21	.174	.151	SN74AHCT86D	289289CG	..... 23	.191	.166
74AHCT138M	289326CG	..... 45	.365	.277	SN74AHCT138D	289318CG	..... 50	.40	.30
74AHCT139M	289351CG	..... 44	.35	.277	SN74AHCT139D	289342CG	..... 48	.38	.285
74AHCT240M	289414CG	..... 41	.349	.261	SN74AHCT240DW	289385CG	..... 45	.38	.285
74AHCT244M	289457CG	..... 21	.179	.134	SN74AHCT244DW	289449CG	..... 43	.33	.25
74AHCT245M	289481CG	..... 39	.299	.227	SN74AHCT245DW	289490CG	..... 43	.33	.247
74AHCT373M	289511CG	..... 39	.299	.224	SN74AHCT373DW	289502CG	..... 43	.33	.25
74AHCT374M	289570CG	..... 26	.216	.162	SN74AHCT374DW	289561CG	..... 29	.237	.212
74AHCT574M	289633CG	..... 39	.30	.225	SN74AHCT574DW	289617CG	..... 43	.33	.25

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74ABTXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
ABT	DIP	SN74ABTXXXN	74ABTXXXN	74ABTXXXPC	74ABTXXXN
	SOIC	SN74ABTXXXD/DW	74ABTXXXD	74ABTXXXSC	74ABTXXXD

74ABT Series – The BiCMOS Technology for High Performance Bus Systems

DIP SOIC 

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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74ABT125	14	Quad Buffer, 3-St.	74ABT245	20	Octal Transceiver	74ABT534	20	Octal D FF, 3-St.	74ABT646	24	Octal Bus Trans.	74ABT5402	28	12b Line/Memory Dr.
74ABT240	20	Octal Buff., Invert.	74ABT373	20	Octal D Latch, 3-St.	74ABT541	20	Octal Buff. Non-Inv.	74ABT652	24	Octal Reg. Trans.			
74ABT241	20	Octal Buff., Non-Inv.	74ABT374	20	Oct D FF, Edge-Trig.	74ABT573	20	Octal D Latch, 3-St.	74ABT2240	20	Octal Buff/Driver			
74ABT244	20	Octal Buff., 3-St.	74ABT377	20	Oct D FF w/ Clk En.	74ABT574	20	Oct D FF, Edge-Trig.	74ABT2244	20	Octal Buff w. Res.			

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74ABT125N	290351CG	\$.36	\$.291	\$.27	SN74ABT125N	290482CG	\$.41	\$.34	\$.29
74ABT240AN	290360CG	\$.63	\$.55	\$.42	SN74ABT240AN	290503CG	\$.72	\$.62	\$.459
74ABT244AN	290378CG	\$.59	\$.448	\$.336	SN74ABT244AN	290511CG	\$.67	\$.51	\$.39
74ABT245BN	290386CG	\$.41	\$.356	\$.267	SN74ABT245BN	290520CG	\$.45	\$.387	\$.29
74ABT373N	290415CG	\$.59	\$.448	\$.336	SN74ABT373N	290546CG	\$.65	\$.491	\$.377
74ABT374AN	290423CG	\$.59	\$.448	\$.338	SN74ABT374AN	290589CG	\$.65	\$.491	\$.368
74ABT541BN	290440CG	\$.66	\$.498	\$.378	SN74ABT541BN	290685CG	\$.74	\$.56	\$.43
74ABT573AN	290431CG	\$.59	\$.448	\$.336	SN74ABT573AN	290693CG	\$.67	\$.51	\$.385
74ABT574AN	290458CG	\$.35	\$.309	\$.304	SN74ABT574AN	290706CG	\$.38	\$.334	\$.328
74ABT646AN	290466CG	1.13	\$.96	\$.73	SN74ABT646ANT	290714CG	1.29	1.09	\$.81
74ABT2244AN	290343CG	\$.59	\$.448	\$.344	SN74ABT2244AN	290722CG	\$.65	\$.491	\$.377

SOIC Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74ABT125D	290837CG	\$.25	\$.218	\$.163	SN74ABT125D	290811CG	\$.27	\$.237	\$.177
74ABT240AD	290917CG	\$.38	\$.316	\$.237	SN74ABT240ADW	290909CG	\$.41	\$.346	\$.259
74ABT241AD	290950CG	\$.72	\$.548	\$.411	SN74ABT241ADW	290941CG	\$.82	\$.62	\$.465
74ABT244AD	291178CG	\$.29	\$.253	\$.19	SN74ABT244ADW	291160CG	\$.32	\$.276	\$.207
74ABT245BD	291194CG	\$.40	\$.344	\$.257	SN74ABT245BDW	291186CG	\$.44	\$.374	\$.28
74ABT373D	291240CG	\$.29	\$.254	\$.207	SN74ABT373DW	291223CG	\$.32	\$.276	\$.224
74ABT374AD	291274CG	\$.59	\$.448	\$.344	SN74ABT374ADW	291266CG	\$.67	\$.51	\$.38
74ABT377AD	291362CG	\$.66	\$.50	\$.378	SN74ABT377ADW	291354CG	\$.74	\$.56	\$.42
74ABT534AD	291389CG	\$.73	\$.65	\$.59	SN74ABT534ADW	291371CG	\$.79	\$.66	\$.59
74ABT541BD	291426CG	\$.58	\$.398	\$.298	SN74ABT541BDW	291418CG	\$.66	\$.47	\$.42
74ABT573AD	291469CG	\$.59	\$.448	\$.337	SN74ABT573ADW	291442CG	\$.65	\$.49	\$.367
74ABT574AD	291565CG	\$.59	\$.45	\$.34	SN74ABT574ADW	291557CG	\$.67	\$.51	\$.382
74ABT646AD	291637CG	1.15	\$.97	\$.73	SN74ABT646ADW	291602CG	1.25	1.06	\$.79
74ABT652AD	291733CG	1.15	\$.98	\$.74	SN74ABT652ADW	291741CG	1.35	1.12	\$.89
74ABT2240AD	291768CG	\$.72	\$.55	\$.416	SN74ABT2240ADW	291750CG	\$.82	\$.62	\$.465
74ABT2244AD	291784CG	\$.59	\$.448	\$.34	SN74ABT2244ADW	291776CG	\$.65	\$.491	\$.368
74ABT5402AD	291400CG	2.79	2.69	2.53	SN74ABT5402ADW	291397CG	3.09	2.69	2.53

74HC(T)XXX CMOS Logic Competitive Cross Reference Guide (see next page)

74HC Series – The HC family offers CMOS inputs and CMOS outputs

DIP SOIC TSSOP 

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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74HC00	14	Quad 2-input NAND	74HC04	14	Hex Inverter	74HC08	14	Quad 2-input AND	74HC10	14	Triple 3-input NAND	74HC11	14	Triple 3-input AND
74HC02	14	Quad 2-input NOR												

DIP Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HC00N	45161CG	\$.22	\$.19	\$.14	SN74HC00N	250966CG	\$.24	\$.21	\$.151
74HC02N	45188CG	\$.24	\$.158	\$.126	SN74HC02N	250974CG	\$.26	\$.173	\$.156
74HC04N	45209CG	\$.24	\$.208	\$.176	SN74HC04N	250982CG	\$.26	\$.228	\$.193
74HC08N	45225CG	\$.158	\$.12		SN74HC08N	251002CG	\$.173	\$.13	
74HC10N	45233CG	\$.34	\$.279	\$.202	SN74HC10N	251011CG	\$.37	\$.30	\$.218
74HC11N	45268CG	\$.158	\$.119		SN74HC11N	251037CG	\$.20	\$.17	\$.13

Surface Mount

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
SOIC = M TSSOP = T					SOIC = M, D, DW TSSOP = PW				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HC00M	197106CG	\$.144	\$.109		SN74HC00D	251889CG	\$.20	\$.156	\$.118
74HC00T	380015CG	\$.125	\$.109		SN74HC00PW	379911CG	\$.137	\$.12	
74HC02M	197114CG	\$.108	\$.081		SN74HC02D	251926CG	\$.22	\$.117	\$.087
74HC02T	380031CG	\$.125	\$.109		SN74HC04D	251934CG	\$.137	\$.103	
74HC04M	197122CG	\$.125	\$.094		SN74HC04PW	380058CG	\$.137	\$.12	
74HC08M	197131CG	\$.125	\$.094		SN74HC08D	251942CG	\$.135	\$.09	
74HC08T	380082CG	\$.125	\$.109		SN74HC08PW	380074CG	\$.137	\$.12	
74HC10M	243272CG	\$.125	\$.094		SN74HC10D	251951CG	\$.137	\$.103	

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series (Continued) – The HC The family offers CMOS inputs and CMOS zoutputs.



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74HC14	14	Hex Inverter Schmitt	74HC86	14	Quad 2-input OR	74HC139	16	Dual 2:4 Decoder	74HC164	14	8b Ser. Shift Reg.	74HC221	16	Dual Multivibrator
74HC30	14	8-In NAND Gate	74HC123	16	Dual Retrigger. Multivib.	74HC154	24	4:16 Line Decoder	74HC165	16	8b Par. Shift Reg.	74HC240	20	Octal Buff., Invert.
74HC32	14	Quad 2-input OR	74HC125	14	Quad Buffer, 3-st.	74HC157	16	Quad 2:1 Mux.	74HC174	16	Hex D Flip-Flop	74HC244	20	Octal Buff., 3-St.
74HC74	14	Dual D Flip-Flop	74HC132	14	Quad Pos. NAND Gate	74HC161	16	4b Cntr., Async Clr.	74HC192	16	4b Up/Down Counter	74HC245	20	Octal Transceiver
74HC85	16	4b Mng. Comparator	74HC138	16	3:8 Line Decoder	74HC163	16	4b Cntr., Sync Clr.	74HC193	16	4b Sync Binary Cntr.	74HC273	20	Oct D FF, Edge-Trig.

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%						
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100		
74HC14N	45364CG	.....	\$ .22	\$.19	\$.17	SN74HC14N	251045CG	.....	\$ .24	\$.21	\$.18
74HC30N	45786CG	.....	.29	.258	.193	CD74HC30E	251070CG	.....	.31	.28	.20
74HC32N	45794CG	.....	.24	.21	.15	SN74HC32N	251088CG	.....	.27	.227	.162
74HC74N	46130CG	.....	.27	.25	.22	SN74HC74N	251096CG	.....	.30	.275	.242
74HC85N	46172CG	.....	.49	.38	.27	CD74HC85E	251109CG	.....	.54	.46	.34
74HC86N	46181CG	.....	.23	.166	.124	SN74HC86N	251133CG	.....	.25	.212	.159
74HC123N	45292CG	.....	.30	.243	.18	CD74HC123E	251184CG	.....	.32	.27	.20
74HC125N	45305CG	.....	.28	.24	.18	SN74HC125N	251192CG	.....	.31	.26	.20
74HC132N	45321CG	.....	.28	.234	.18	SN74HC132N	251205CG	.....	.31	.26	.20
74HC138N	45330CG	.....	.29	.229	.212	SN74HC138N	251213CG	.....	.32	.249	.231
74HC139N	45356CG	.....	.20	.17	.14	SN74HC139N	251221CG	.....	.35	.30	.22
74HC154N	45401CG	.....	.68	.58	.428	CD74HC154E	251230CG	.....	.74	.62	.50
74HC154N	45401CG	.....	.75	.63	.51	CD74HC154EN	251248CG	.....	.81	.68	.55
74HC157N	45428CG	.....	.29	.22	.165	SN74HC157N	251299CG	.....	.31	.238	.178
74HC161N	45452CG	.....	.26	.22	.165	SN74HC161N	251301CG	.....	.29	.25	.18
74HC163N	45479CG	.....	.28	.24	.18	SN74HC163N	251310CG	.....	.34	.289	.216
74HC164N	45487CG	.....	.28	.208	.191	SN74HC164N	251328CG	.....	.41	.33	.25
74HC165N	45495CG	.....	.32	.27	.20	SN74HC165N	251336CG	.....	.35	.30	.22
74HC174N	45508CG	.....	.25	.21	.16	SN74HC174N	251352CG	.....	.26	.21	.16
74HC192N	45541CG	.....	1.59	1.45	1.29	CD74HC192E	251395CG	.....	1.75	1.57	1.39
74HC193N	45559CG	.....	.30	.266	.168	SN74HC193N	251387CG	.....	.32	.291	.184
74HC221N	45604CG	.....	.35	.304	.228	CD74HC221E	251408CG	.....	.39	.331	.248
74HC240N	45612CG	.....	.34	.26	.19	SN74HC240N	251416CG	.....	.37	.255	.191
74HC244N	45655CG	.....	.45	.39	.35	SN74HC244N	251424CG	.....	.49	.42	.31
74HC245N	45671CG	.....	.45	.38	.29	SN74HC245N	251432CG	.....	.49	.41	.31
74HC273N	45743CG	.....	.32	.276	.207	SN74HC273N	251459CG	.....	.35	.30	.22
* 0.6"W ** 0.3"W											

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	Qty\$ave

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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide (see previous page)

74HC Series (Continued) – The HC family offers CMOS inputs and CMOS outputs.



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74HC373	20	Octal D Latch, 3-St.	74HC573	20	Octal D Latch, 3-St.	74HC4017	16	Decade Cntr./Divider	74HC4050	16	Hex Buff. Non-Inv.	74HC4066	14	Quad Analog Switch
74HC374	20	Oct D FF, Edge-Trig.	74HC574	20	Oct D FF, Edge-Trig.	74HC4020	16	14b Binary Counter	74HC4051	16	8-Channel Mux.	74HC4316	16	H.S. Quad Analog Sw.
74HC393	14	4b Binary Counter	74HC590	16	8b Bin. Cntr. 3-St.	74HC4040	16	12b Binary Counter	74HC4052	16	Dual 4-Chan. Mux.	74HC4514	24	4:16 Line Dec./Mux.
74HC540	20	Octal Buff. Invert.	74HC595	16	8b Shift Reg. 3-St.	74HC4046	16	PLL w/ VCO	74HC4053	16	Triple 2-Chan. Mux.	74HC4538	16	Dual Retrigger. Multivib.
74HC541	20	Octal Buff. Non-Inv.	74HC688	20	8b ID Counter	74HC4049	16	Hex Buffer Invert.	74HC4060	16	14-Stage Bin. Cntr.			

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HC373N	45831CG	\$.45	\$.39	\$.35	SN74HC373N	251475CG	\$.49	\$.42	\$.38
74HC374N	45858CG	\$.36	\$.311	\$.233	SN74HC374N	251483CG	\$.39	\$.339	\$.254
74HC393N	45874CG	\$.29	\$.25	\$.18	SN74HC393N	251504CG	\$.32	\$.29	\$.26
74HC540N	109760CG	\$.37	\$.31	\$.233	SN74HC540N	251512CG	\$.40	\$.335	\$.251
74HC541N	46050CG	\$.37	\$.31	\$.24	SN74HC541N	251521CG	\$.41	\$.35	\$.26
74HC573N	46076CG	\$.31	\$.26	\$.22	SN74HC573AN	251547CG	\$.41	\$.346	\$.304
74HC574N	46084CG	\$.30	\$.232	\$.174	SN74HC574N	251555CG	\$.41	\$.35	\$.26
74HC590N	88090CG	\$.38	\$.32	\$.24	SN74HC590AN	251635CG	\$.41	\$.346	\$.304
74HC595N	46105CG	\$.62	\$.44	\$.39	SN74HC595N	251643CG	\$.67	\$.48	\$.42
74HC688N	46113CG	\$.44	\$.37	\$.30	SN74HC688N	251651CG	\$.49	\$.42	\$.31
74HC4017N	45891CG	\$.50	\$.46	\$.428	CD74HC4017E	251660CG	\$.54	\$.49	\$.469
74HC4020N	45903CG	\$.32	\$.229	\$.209	CD74HC4020E	251678CG	\$.35	\$.249	\$.227
74HC4040N	45920CG	\$.25	\$.207	\$.155	SN74HC4040N	251686CG	\$.33	\$.26	\$.22
74HC4046N	45938CG	\$.44	\$.37	\$.269	CD74HC4046AE	251694CG	\$.47	\$.382	\$.286
74HC4049N	272057CG	\$.39	\$.33	\$.248	CD74HC4049E	272049CG	\$.42	\$.355	\$.29
74HC4050N	272073CG	\$.41	\$.332	\$.249	CD74HC4050E	272065CG	\$.45	\$.364	\$.273
74HC4051N	88102CG	\$.33	\$.285	\$.23	CD74HC4051E	251707CG	\$.36	\$.31	\$.26
74HC4052N	272090CG	\$.44	\$.329	\$.246	CD74HC4052E	272081CG	\$.48	\$.36	\$.27
74HC4053N	272129CG	\$.40	\$.315	\$.236	CD74HC4053E	272111CG	\$.44	\$.343	\$.257
74HC4060N	45962CG	\$.28	\$.248	\$.23	SN74HC4060N	251803CG	\$.30	\$.27	\$.25
74HC4066N	45971CG	\$.31	\$.268	\$.201	SN74HC4066N	251811CG	\$.34	\$.292	\$.219
74HC4316N	272153CG	\$.31	\$.259	\$.216	CD74HC4316E	272145CG	\$.34	\$.282	\$.235
74HC4514N	46009CG	\$.81	\$.69	\$.52	CD74HC4514EN	318908CG	\$.88	\$.83	\$.80
74HC4538N	46017CG	\$.30	\$.269	\$.201	CD74HC4514E	251820CG	1.69	1.54	1.40
					CD74HC4538E	251838CG	\$.33	\$.293	\$.286

*0.3"W **0.6"W

Surface Mount

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
SOIC = M		TSSOP = T			SOIC = M, D, DW		TSSOP = PW		
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HC373M	197229CG	\$.22	\$.174	\$.131	SN74HC373DW	252312CG	\$.24	\$.188	\$.141
74HC373T	380699CG	\$.25	\$.216	\$.185	SN74HC373PW	380664CG	\$.28	\$.237	\$.202
74HC374M	197237CG	\$.29	\$.24	\$.18	SN74HC374DW	252321CG	\$.31	\$.259	\$.194
74HC374T	380744CG	\$.25	\$.216	\$.185	SN74HC374PW	380736CG	\$.28	\$.237	\$.202
74HC393M	243838CG	\$.20	\$.17	\$.128	SN74HC393D	252339CG	\$.22	\$.184	\$.138
74HC540WM	243846CG	\$.26	\$.22	\$.165	SN74HC540DW	252347CG	\$.28	\$.24	\$.18
74HC540T	380998CG	\$.26	\$.224	\$.202	SN74HC540PW	380980CG	\$.29	\$.246	\$.221
74HC541WM	243854CG	\$.22	\$.19	\$.143	SN74HC541DW	252355CG	\$.24	\$.205	\$.154
74HC541T	381018CG	\$.46	\$.349	\$.265	SN74HC541PW	381000CG	\$.50	\$.382	\$.29
74HC573M	197245CG	\$.21	\$.18	\$.169	SN74HC573ADW	252363CG	\$.25	\$.245	\$.183
74HC573T	381034CG	\$.26	\$.224	\$.202	SN74HC573APW	381026CG	\$.29	\$.246	\$.221
74HC574M	197253CG	\$.23	\$.20	\$.15	SN74HC574DW	252371CG	\$.28	\$.237	\$.156
74HC574T	381051CG	\$.26	\$.224	\$.202	SN74HC574PW	381042CG	\$.29	\$.246	\$.221
74HC595M	245075CG	\$.23	\$.20	\$.179	SN74HC595D	252523CG	\$.25	\$.237	\$.193
74HC688WM	245083CG	\$.38	\$.32	\$.24	SN74HC688DW	252531CG	\$.42	\$.36	\$.27
74HC4020M	245091CG	\$.39	\$.21	\$.158	SN74HC4020D	252540CG	\$.43	\$.25	\$.188
74HC4040M	245104CG	\$.25	\$.21	\$.158	SN74HC4040D	252558CG	\$.27	\$.23	\$.17
74HC4040T	380787CG	\$.35	\$.299	\$.227	SN74HC4040PW	380752CG	\$.39	\$.328	\$.248
74HC4046M	243900CG	\$.35	\$.30	\$.225	CD74HC4046AM	252460CG	\$.39	\$.33	\$.25
74HC4049M	243918CG	\$.31	\$.26	\$.195	CD74HC4049M	252478CG	\$.34	\$.29	\$.25
74HC4050M	243926CG	\$.36	\$.31	\$.23	CD74HC4050M	252486CG	\$.40	\$.34	\$.26
74HC4050T	380859CG	\$.39	\$.324	\$.252	CD74HC4050PW	380841CG	\$.42	\$.355	\$.276
74HC4051M	243862CG	\$.33	\$.28	\$.21	CD74HC4051M	252380CG	\$.36	\$.302	\$.227
74HC4051T	380875CG	\$.39	\$.324	\$.252					
74HC4052M	245059CG	\$.35	\$.30	\$.225	CD74HC4052M	252494CG	\$.38	\$.324	\$.243
74HC4053M	245067CG	\$.33	\$.266	\$.252	CD74HC4053M	252515CG	\$.36	\$.302	\$.274
74HC4053T	380912CG	\$.39	\$.324	\$.252	CD74HC4053PW	380904CG	\$.42	\$.355	\$.276
74HC4060M	243871CG	\$.39	\$.30	\$.23	SN74HC4060D	252419CG	\$.43	\$.355	\$.248
74HC4060T	380939CG	\$.39	\$.324	\$.286	SN74HC4060PW	380921CG	\$.42	\$.355	\$.313
74HC4066M	243889CG	\$.29	\$.216	\$.162	SN74HC4066D	252435CG	\$.32	\$.237	\$.181
74HC4066T	380955CG	\$.39	\$.324	\$.252	SN74HC4066PW	380947CG	\$.42	\$.355	\$.276
74HC4316M	245112CG	\$.39	\$.33	\$.25	CD74HC4316M	252566CG	\$.42	\$.36	\$.28
74HC4316T	380971CG	\$.39	\$.324	\$.286	CD74HC4316PW	380963CG	\$.42	\$.324	\$.286
74HC4538M	243897CG	\$.27	\$.23	\$.21	CD74HC4538M	252443CG	\$.30	\$.26	\$.227

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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HCT Series – The HCT family offers TTL inputs with CMOS outputs.



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74HCT00	14	Quad 2-input NAND	74HCT14	14	Hex Inverter Schmitt	74HCT138	16	3:8 Line Decoder	74HCT244	20	Octal Buff., 3-St.	74HCT540	20	Octal Buff. Invert.
74HCT02	14	Quad 2-input NOR	74HCT32	14	Quad 2-input OR	74HCT139	16	Dual 2:4 Decoder	74HCT245	20	Octal Transceiver	74HCT541	20	Octal Buff. Non-Inv.
74HCT04	14	Hex Inverter	74HCT74	14	Dual D Flip-Flop	74HCT154	24	4:16 Line Decoder	74HCT273	20	Oct D FF, Edge-Trig.	74HCT573	20	Octal D Latch, 3-St.
74HCT08	14	Quad 2-input AND	74HCT86	14	Quad 2-input OR	74HCT157	16	Quad 2:1 Mux.	74HCT373	20	Octal D Latch, 3-St.	74HCT574	20	Oct D FF, Edge-Trig.
74HCT10	14	Triple 3-input NAND	74HCT123	16	Dual Retrigger. Multivib.	74HCT164	14	8b Ser. Shift Reg.	74HCT374	20	Oct D FF, Edge-Trig.	74HCT688	20	8b ID Counter
74HCT11	14	Triple 3-input AND	74HCT125	14	Quad Buffer, 3-st.	74HCT240	20	Octal Buff., Invert.	74HCT393	14	4b Binary Counter			

PDIP Package

* Minimum order 10 pieces



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Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HCT00N	44871CG	\$.24	\$.20	\$.19	SN74HCT00N	246406CG	\$.26	\$.22	\$.165
74HCT02N	44880CG	.33	.266	.185	SN74HCT02N	246414CG	.37	.306	.229
74HCT04N	44898CG	*	.158	.118	SN74HCT04N	246422CG	*	.199	.149
74HCT08N	44901CG	.24	.183	.118	SN74HCT08N	246431CG	.26	.19	.129
74HCT10	618046CG	.34	.279	.218					
74HCT11N	618054CG	.44	.349	.265					
74HCT14N	44935CG	.23	.20	.15	SN74HCT14N	246449CG	.25	.21	.16
74HCT32N	45057CG	*	.158	.118	SN74HCT32N	246457CG	.20	.173	.129
74HCT74N	45137CG	.26	.224	.168	SN74HCT74N	246465CG	.29	.25	.187
74HCT86N	45145CG	.28	.22	.165	CD74HCT86E	246473CG	.37	.31	.23
74HCT123N	88049CG	.29	.25	.188	CD74HCT123E	246481CG	.32	.296	.222
74HCT125N	243192CG	.25	.21	.158	SN74HCT125N	246490CG	.29	.237	.177
74HCT138N	44927CG	.33	.282	.26	SN74HCT138N	246502CG	.40	.346	.304
74HCT139N	63773CG	.22	.188	.141	SN74HCT139N	246511CG	.33	.285	.214
74HCT154N	88057CG	1.05	.89	.67	CD74HCT154E	246521CG	1.15	.98	.73
74HCT157N	272196CG	.31	.26	.193	SN74HCT157N	272170CG	.34	.281	.21
74HCT164N	44978CG	.39	.324	.243	CD74HCT164E	250819CG	.42	.355	.266
74HCT240N	45014CG	.24	.202	.151	SN74HCT240N	250827CG	.26	.22	.165
74HCT244N	45022CG	.31	.28	.25	SN74HCT244N	250835CG	.34	.29	.22
74HCT245N	45031CG	.34	.29	.22	SN74HCT245N	250843CG	.37	.319	.276
74HCT273N	45049CG	.29	.257	.213	SN74HCT273N	250851CG	.32	.272	.204
74HCT373N	45065CG	.21	.158	.12	SN74HCT373N	250878CG	.23	.173	.13
74HCT374N	45073CG	.29	.25	.188	SN74HCT374N	250894CG	.31	.27	.203
74HCT393N	243205CG	.43	.324	.244	CD74HCT393E	250907CG	.47	.355	.27
74HCT540N	109778CG	.46	.349	.262	SN74HCT540N	250915CG	.50	.38	.294
74HCT541N	99303CG	.25	.21	.16	SN74HCT541N	250923CG	.27	.227	.173
74HCT573N	45090CG	.35	.30	.23	SN74HCT573N	250931CG	.38	.33	.25
74HCT574N	45102CG	.39	.30	.23	SN74HCT574N	250940CG	.43	.33	.25
74HCT688N	45129CG	.58	.43	.322	CD74HCT688E	250958CG	.64	.468	.351

Surface Mount

* Minimum order 10 pieces

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
SOIC = M, WM		TSSOP = T			SOIC = D, DW, M		TSSOP = PW		
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74HCT00M	246027CG	...	* \$.125	\$.094	SN74HCT00D	246393CG	...	* \$.137	\$.103
74HCT00T	381157CG	...	* .125	.109	SN74HCT00PW	381149CG	...	* .137	.12
74HCT02M	268390CG	...	.28 .24	.18	SN74HCT02D	268373CG	...	.31 .26	.20
74HCT04M	246035CG	...	* .114	.086	SN74HCT04D	246369CG	...	* .124	.093
74HCT04T	381173CG	...	* .125	.125	SN74HCT04PW	381165CG	...	* .137	.12
74HCT08M	246043CG	...	* .125	.094	SN74HCT08D	246078CG	...	* .137	.103
74HCT08T	381190CG	...	* .125	.109	SN74HCT08PW	381181CG	...	* .137	.12
74HCT14M	246060CG	...	* .141	.106	SN74HCT14D	246377CG	...	* .155	.116
74HCT14T	381237CG	...	* .141	.126	SN74HCT14PW	381229CG	...	* .155	.138
74HCT32M	246123CG	...	* .125	.094	SN74HCT32D	246318CG	...	* .137	.103
74HCT32T	381333CG	...	* .125	.109	SN74HCT32PW	381325CG	...	* .137	.12
74HCT74M	246254CG	...	* .10	.075	SN74HCT74D	246262CG	...	* .155	.116
74HCT86M	268429CG	...	* .133	.12	SN74HCT74PW	381472CG	...	* .155	.138
74HCT123M	271960CG	...	.29 .245	.184	CD74HCT86M	268411CG	...	.24 .217	.195
74HCT125M	271994CG	...	* .12	.089	CD74HCT123M	271951CG	...	.32 .27	.22
74HCT138M	246051CG	...	.20 .175	.132	SN74HCT125D	271986CG	...	* .13	.095
74HCT138T	381211CG	...	.24 .199	.176	SN74HCT138D	246385CG	...	.22 .19	.143
74HCT139M	246271CG	...	.25 .21	.19	SN74HCT138PW	381202CG	...	.26 .218	.193
					SN74HCT139D	246289CG	...	.27 .23	.17
74HCT157M	246297CG	...	.41 .35	.26	SN74HCT157D	246300CG	...	.45 .38	.29
74HCT164M	253024CG	...	.30 .26	.19	CD74HCT164M	253016CG	...	.32 .281	.20
74HCT240WM	246086CG	...	.25 .21	.16	SN74HCT240DW	246351CG	...	.28 .24	.18
74HCT240T	381245CG	...	.28 .237	.202	SN74HCT240PW	381253CG	...	.30 .256	.218
74HCT244WM	246094CG	...	.25 .21	.16	SN74HCT244DW	246342CG	...	.28 .24	.18
74HCT244T	381270CG	...	.25 .216	.185	SN74HCT244PW	381261CG	...	.28 .237	.202
74HCT245WM	246107CG	...	.23 .193	.147	SN74HCT245DW	246334CG	...	.25 .21	.16
74HCT245T	381296CG	...	.25 .216	.185	SN74HCT245PW	381288CG	...	.28 .237	.202
74HCT273WM	246115CG	...	.25 .21	.16	SN74HCT273DW	246326CG	...	.28 .24	.18
74HCT273T	381317CG	...	.25 .216	.185	SN74HCT273PW	381309CG	...	.28 .237	.202
74HCT373WM	246131CG	...	.23 .193	.147	SN74HCT373DW	246140CG	...	.25 .21	.16
74HCT374WM	246158CG	...	.25 .21	.16	SN74HCT374DW	246166CG	...	.28 .24	.18
74HCT374T	381376CG	...	.25 .216	.185	SN74HCT374PW	381368CG	...	.28 .237	.202
74HCT540WM	246174CG	...	.26 .22	.21	SN74HCT540DW	246182CG	...	.29 .25	.225
74HCT541WM	246191CG	...	.30 .257	.227	SN74HCT541DW	246203CG	...	.32 .282	.248
74HCT541T	381421CG	...	.26 .224	.202	SN74HCT541PW	381413CG	...	.29 .246	.221
74HCT573WM	246220CG	...	.26 .22	.20	SN74HCT573DW	246211CG	...	.29 .25	.235
74HCT573T	381448CG	...	.26 .224	.202					
74HCT54WM	246238CG	...	.25 .21	.169	SN74HCT574DW	246246CG	...	.27 .23	.173

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola & Freescale.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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74FXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
F	DIP	SN74FXXXN	74FXXXN	74FXXXPC	N74FXXXN
	SOIC	SN74FXXXD/DW	74FXXXD	74FXXXSC	N74FXXXD

74F Series – General purpose family of high speed advanced bipolar logic



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74F00	14	Quad 2-input NAND	74F38	14	Q 2-in NAND Gate O.C.	74F157	16	Quad 2:1 Mux.	74F244	20	Octal Buff., 3-St.	74F521	20	8b ID Comparator
74F02	14	Quad 2-input NOR	74F74	14	Dual D Flip-Flop	74F161	16	4b Cntr., Async Clr.	74F245	20	Octal Transceiver	74F541	20	Octal Buff. Non-Inv.
74F04	14	Hex Inverter	74F86	14	Quad 2-input OR	74F163	16	4b Cntr., Sync Clr.	74F257	16	Quad 2:1 Mux, 3-St.	74F543	24	Octal Reg. TXRX
74F08	14	Quad 2-input AND	74F125	14	Quad Buffer, 3-st.	74F164	14	8b ser. Shift Reg.	74F273	20	Oct D FF, Edge-Trig.	74F573	20	Octal D Latch, 3-St.
74F14	14	Hex Inverter Schmitt	74F138	16	3:8 Line Decoder	74F169	16	4b Bidir. Counter	74F299	20	8-in Shift/Stor. Reg.	74F574	20	Oct D FF, Edge-Trig.
74F20	14	Dual 4-input NAND	74F139	16	Dual 2:4 Decoder	74F174	16	Hex D Flip-Flop	74F373	20	Octal D Latch, 3-St.	74F579	20	8b Bidir. Counter
74F32	14	Quad 2-input OR	74F148	16	8:3 Priority Enc.	74F240	20	Octal Buff., Invert.	74F374	20	Oct D FF, Edge-Trig.			

DIP Package

* Minimum order 10 pieces

Value Offering – Save Up To 30%				Texas Instruments – Save 6-20%			
Cross Ref No.	Part No.	1	10	T.I. Product No.	Part No.	1	10
74F00N	286985CG	.....	.....	SN74F00N	281471CG	.....	.....
74F02N	286993CG	.....	.....	SN74F02N	281480CG	.....	.....
74F04N	287005CG	.....	.....	SN74F04N	281498CG	.....	.....
74F08N	287013CG	.....	.....	SN74F08N	281501CG	.....	.....
74F14N	287021CG	.....	.....	SN74F20N	281527CG	.....	.....
74F20N	287030CG	.....	.....	SN74F30N	281535CG	.....	.....
74F30N	245121CG	.....	.....	SN74F32N	281543CG	.....	.....
74F32N	287048CG	.....	.....	SN74F38N	281893CG	.....	.....
74F38N	245139CG	.....	.....	SN74F74N	281906CG	.....	.....
74F74N	287056CG	.....	.....	SN74F86N	281914CG	.....	.....
74F86N	287064CG	.....	.....	SN74F125N	281922CG	.....	.....
74F125N	245147CG	.....	.....	SN74F138N	281931CG	.....	.....
74F138N	287072CG	.....	.....	SN74F157AN	281949CG	.....	.....
74F139N	287081CG	.....	.....	SN74F161AN	281957CG	.....	.....
74F148N	245163CG	.....	.....	SN74F163AN	281965CG	.....	.....
74F157AN	245171CG	.....	.....	SN74F169N	281973CG	.....	.....
74F161AN	245180CG	.....	.....	SN74F174N	282693CG	.....	.....
74F163AN	245198CG	.....	.....	SN74F240N	281981CG	.....	.....
74F164AN	245201CG	.....	.....	SN74F244N	281990CG	.....	.....
74F169N	245219CG	.....	.....	SN74F245N	282001CG	.....	.....
74F174N	282731CG	.....	.....	SN74F257N	282044CG	.....	.....
74F240N	245227CG	.....	.....	SN74F299N	282052CG	.....	.....
74F244N	287110CG	.....	.....	SN74F373N	282079CG	.....	.....
74F245N	287144CG	.....	.....	SN74F374N	282600CG	.....	.....
74F257N	245235CG	.....	.....	SN74F521N	282802CG	.....	.....
74F273N	287099CG	.....	.....	SN74F541N	282765CG	.....	.....
74F299N	281463CG	.....	.....	SN74F573N	282642CG	.....	.....
74F373N	287161CG	.....	.....	SN74F574N	282669CG	.....	.....
74F374N	287187CG	.....	.....		
74F521N	282811CG	.....	.....		
74F541N	282773CG	.....	.....		
74F543N	245251CG				
74F573N	287195CG				
74F574N	287216CG				
74F579N	245260CG				

SOIC Package

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Value Offering – Save Up To 30%				Texas Instruments – Save 6-20%			
Cross Ref No.	Part No.	1	10	T.I. Product No.	Part No.	1	10
74F00D	287697CG	.....	.....	SN74F00D	282845CG	.....	.....
74F02D	287689CG	.....	.....	SN74F02D	282888CG	.....	.....
74F04D	287671CG	.....	.....	SN74F04D	283071CG	.....	.....
74F08D	287662CG	.....	.....	SN74F08D	283080CG	.....	.....
74F14D	287654CG	.....	.....	SN74F32D	283098CG	.....	.....
74F32D	287638CG	.....	.....	SN74F38D	283119CG	.....	.....
74F38D	283127CG	.....	.....	SN74F74D	283135CG	.....	.....
74F74D	287620CG	.....	.....	SN74F86D	283143CG	.....	.....
74F86D	287611CG	.....	.....	SN74F125D	283151CG	.....	.....
74F125D	283160CG	.....	.....	SN74F138D	283186CG	.....	.....
74F132D	283178CG	.....	.....	SN74F157AD	283207CG	.....	.....
74F138D	287566CG	.....	.....	SN74F161AD	283469CG	.....	.....
74F148D	283194CG	.....	.....	SN74F169D	283485CG	.....	.....
74F157AD	283215CG	.....	.....	SN74F240DW	283506CG	.....	.....
74F161AD	283477CG	.....	.....	SN74F244DW	283514CG	.....	.....
74F169D	283493CG	.....	.....	SN74F245DW	283549CG	.....	.....
74F240D	287558CG	.....	.....	SN74F257D	283565CG	.....	.....
74F244D	287540CG	.....	.....	SN74F373DW	283590CG	.....	.....
74F245D	287531CG	.....	.....	SN74F374DW	283602CG	.....	.....
74F257D	283557CG	.....	.....	SN74F521DW	283670CG	.....	.....
74F373D	287494CG	.....	.....	SN74F541DW	304961CG	.....	.....
74F374D	287486CG	.....	.....	SN74F543DW	283611CG	.....	.....
74F521D	283696CG	.....	.....	SN74F573DW	283637CG	.....	.....
74F541D	283653CG	.....	.....	SN74F574DW	283645CG	.....	.....
74F543D	283629CG	.....	.....		
74F573D	287478CG	.....	.....		
74F574D	287460CG	.....	.....		

† Note: TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; and Philips now owns Signetics.

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74LSXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	Renesas
LS	DIP	SN74LSXXXN	74HC(T)XXXN	DM74LSXXXN	SN74LSXXXN	HD74LSXXXP
	SOIC	SN74LSXXXD/DW	74HC(T)XXXM	DM74LSXXXM/WM	SN74LSXXXD/DW	—

74LS Series – The Low The Power Schottky Logic



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Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74LS00	14	Quad 2-input NAND	74LS27	14	Triple 3-in NOR Gate	74LS86	14	Quad 2-input OR	74LS138	16	3:8 Line Decoder	74LS165	16	8b Shift Reg. Load
74LS02	14	Quad 2-input NOR	74LS30	14	8-input NAND Gate	74LS90	14	Decade Counter	74LS139	16	Dual 2:4 Decoder	74LS166	16	8b Shift Reg.
74LS03	14	Quad 2-input NAND O.C.	74LS32	14	Quad 2-input OR	74LS92	14	Divide by 12 Cntr.	74LS145	16	BCD-Dec. Decoder	74LS169	16	4b Bidir. Counter
74LS04	14	Hex Inverter	74LS37	14	Quad 2-in NAND Gate	74LS93	14	4b Binary Counter	74LS148	16	8:3 Priority Enc.	74LS173	16	4b D-type Reg. 3-St.
74LS05	14	Hex Inverter O.C.	74LS38	14	Q 2-in NAND Gate O.C.	74LS95	14	4b Shift Reg.	74LS151	16	8:1 Selector/Mux.	74LS174	16	Hex D Flip-Flop
74LS06	14	Hex Inv. Buff./Driver	74LS42	16	BCD:Decimal Dec./Dr.	74LS107	14	Dual JK Flip-Flop	74LS153	16	Dual 4:8 Mux.	74LS175	16	Quad D Flip-Flop
74LS07	14	Hex Buffer/Driver	74LS47	16	BCD:7-Seg. Dec./Dr. OC	74LS109	16	Pos. Edge-Trig. FF	74LS154	24	4:16 Line Dec./Demux.	74LS181	24	4b Arithmetic Log
74LS08	14	Quad 2-input AND	74LS48	16	BCD:7-Seg. Dec./Dr.	74LS112	16	Neg. Edge-Trig. FF	74LS155	16	Dual 2:4 Mux.	74LS190	16	Sync Up/Dn Cntr.
74LS09	14	Q 2-in AND Gate O.C.	74LS73	14	Dual JK FF, Clear	74LS122	14	Retrig. Mono.Multiv.	74LS156	16	Dual 2:4 L Dec./Demux.	74LS191	16	4b Bidir. Counter
74LS10	14	Triple 3-input NAND	74LS74	14	Dual D Flip-Flop	74LS123	16	Dual Mono. Multivib.	74LS157	16	Quad 2:1 Mux.	74LS192	16	4b U/D Dec. Sync Cntr.
74LS11	14	Triple 3-input AND	74LS75	16	4b Bi-Stable Latch	74LS125	14	Quad Buffer, 3-st.	74LS160	16	4b Decade Counter	74LS193	16	4b U/D Sync Cntr.
74LS14	14	Hex Inverter Schmitt	74LS76	16	Dual JK FF, Preset	74LS126	14	Quad Bus Buff. 3-st.	74LS161	16	4b Cntr., Async Clr.	74LS194	16	4b Bidir. Shift Reg.
74LS20	14	Dual 4-input NAND	74LS83	16	4b Binary Adder	74LS132	14	Quad 2-in NAND Trig.	74LS163	16	4b Cntr., Sync Clr.	74LS195	16	4b Parl. Shift Reg.
74LS21	14	Dual 4-input AND Gate	74LS85	16	4b Mag. Comparator	74LS136	16	Quad 2-in Ex. O.C.	74LS164	14	8b Shift Reg. Par.	74LS221	16	Dual Mono. Multivib



DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74LS00N	46252CG	\$.41	\$.27	\$.24	SN74LS00N	283725CG	\$.45	\$.364	\$.276
74LS02N	46287CG	.41	.25	.21	SN74LS02N	283741CG	.43	.328	.248
74LS03N	46308CG	.41	.33	.25	SN74LS03N	283784CG	.45	.364	.276
74LS04N	46316CG	.41	.26	.23	SN74LS04N	283792CG	.45	.364	.276
74LS05N	46341CG	.41	.332	.252	SN74LS05N	283805CG	.45	.364	.276
74LS06N	46359CG	.74	.62	.50	SN74LS06N	295304CG	.81	.68	.56
74LS07N	46367CG	.55	.469	.351	SN74LS07N	295312CG	.69	.66	.55
74LS08N	46375CG	.37	.307	.23	SN74LS08N	295401CG	.45	.364	.276
74LS09N	46391CG	.52	.365	.277	SN74LS09N	295419CG	.56	.428	.322
74LS10N	46404CG	.38	.25	.23	SN74LS10N	295427CG	.45	.364	.276
74LS11N	46439CG	.35	.26	.22	SN74LS11N	295443CG	.45	.364	.275
74LS14N	46640CG	.37	.299	.227	SN74LS14N	295460CG	.41	.328	.248
74LS20N	47095CG	.28	.191	.185	SN74LS20N	295478CG	.31	.209	.202
74LS21N	47108CG	.28	.224	.168	SN74LS21N	295486CG	.30	.242	.181
74LS27N	47378CG	.25	.21	.158	SN74LS27N	295494CG	.45	.364	.276
74LS30N	47458CG	.37	.30	.23	SN74LS30N	295507CG	.45	.346	.276
74LS32N	47466CG	.29	.26	.23	SN74LS32N	295515CG	.31	.28	.248
74LS37N	47597CG	.54	.46	.34	SN74LS37N	295558CG	.59	.482	.442
74LS38N	47693CG	.33	.224	.202	SN74LS38N	295566CG	.36	.246	.239
74LS42N	47773CG	.84	.72	.59	SN74LS42N	295574CG	1.17	.95	.75
74LS47N	47790CG	.72	.52	.45	SN74LS47N	295582CG	.77	.58	.539
74LS48N	47811CG	4.99	4.24	3.18					
74LS73N	47992CG	1.03	.84	.64	SN74LS73AN	295700CG	1.09	.96	.77
74LS74N	48004CG	.36	.25	.22	SN74LS74AN	295726CG	.45	.364	.276
74LS75N	48021CG	.86	.73	.66	SN74LS75N	295734CG	.95	.80	.60
74LS76N	48039CG	.83	.68	.61					
74LS83N	48063CG	1.49	1.35	1.19					
74LS85N	48071CG	.42	.382	.345	SN74LS85N	295742CG	.46	.419	.363
74LS86N	48098CG	.35	.30	.22	SN74LS86AN	295751CG	.38	.324	.238
74LS90N	48119CG	.83	.72	.62	SN74LS90N	295769CG	1.45	1.19	1.09
74LS92N	48143CG	.99	.76	.63	SN74LS92N	295814CG	1.15	.98	.74
74LS93N	48151CG	.89	.79	.70	SN74LS93N	295822CG	.95	.85	.76
74LS95N	48178CG	1.05	.91	.79					
74LS107N	46412CG	.72	.51	.36	SN74LS107AN	295865CG	.79	.72	.66
74LS109N	46421CG	.73	.56	.42	SN74LS109AN	295873CG	.80	.61	.472

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74LS112N	46447CG	\$.39	\$.299	.227	SN74LS112AN	300855CG	\$.43	\$.328	\$.248
74LS122N	46471CG	.46	.35	.262	SN74LS122N	300863CG	.50	.382	.289
74LS123N	46480CG	.37	.319	.239	SN74LS123N	300880CG	.41	.347	.26
74LS125N	46501CG	.33	.282	.26	SN74LS125AN	300901CG	.36	.309	.285
74LS126N	46527CG	.37	.345	.259	SN74LS126AN	300927CG	.50	.382	.289
74LS132N	46551CG	.40	.333	.249	SN74LS132N	300935CG	.43	.362	.271
74LS136N	46586CG	.53	.40	.30	SN74LS136N	301225CG	.58	.437	.331
74LS138N	46607CG	.50	.368	.276	SN74LS138N	301233CG	.54	.40	.30
74LS139N	46623CG	.37	.291	.239	SN74LS139AN	301268CG	.50	.421	.313
74LS145N	46666CG	.73	.55	.423	SN74LS145N	301276CG	.79	.60	.46
74LS148N	46682CG	.51	.432	.324	SN74LS148N	301330CG	.58	.49	.367
74LS151N	46703CG	.45	.349	.269	SN74LS151N	301348CG	.50	.382	.29
74LS153N	46720CG	.41	.35	.26	SN74LS153N	301532CG	.45	.396	.263
74LS154N	46738CG	5.15	4.59	3.69					
74LS155N	46754CG	.85	.72	.54	SN74LS155AN	301559CG	.92	.78	.58
74LS156N	46762CG	.35	.282	.212	SN74LS156N	301591CG	.39	.309	.29
74LS157N	46771CG	.45	.40	.30	SN74LS157N	301612CG	.50	.43	.356
74LS160N	46800CG	2.49	2.39	2.29					
74LS161N	46818CG	.46	.349	.262	SN74LS161AN	301647CG	.50	.382	.285
74LS163N	46842CG	.46	.349	.265	SN74LS163AN	301663CG	.50	.382	.29
74LS164N	46851CG	.43	.36	.262	SN74LS164AN	301671CG	.47	.382	.286
74LS165N	46877CG	.40	.343	.258	SN74LS165AN	301680CG	.44	.373	.28
74LS166N	46885CG	.71	.54	.41	SN74LS166AN	301727CG	.79	.60	.455
74LS169N	46906CG	.61	.47	.35	SN74LS169BN	301735CG	.65	.491	.373
74LS173N	46922CG	.94	.80	.60	SN74LS173AN	301743CG	1.02	.97	.66
74LS174N	46931CG	.46	.299	.265	SN74LS174AN	301760CG	.49	.328	.246
74LS175N	46957CG	.34	.322	.242	SN74LS175N	301778CG	.37	.348	.261
74LS181N	46973CG	2.15	1.80	1.22	SN74LS181N	301786CG	3.79	3.19	2.30
74LS190N	46990CG	2.95	2.65	2.55					
74LS191N	47001CG	.53	.44	.42	SN74LS191N	301815CG	.58	.482	.455
74LS192N	47010CG	3.95	3.59	3.25					
74LS193N	47036CG	.59	.49	.45	SN74LS193N	301831CG	.64	.53	.486
74LS194N	47052CG	.74	.63	.50	SN74LS194AN	301858CG	.81	.68	.55
74LS195N	47061CG	1.09	.92	.69					
74LS221N	47124CG	.33	.267	.25	SN74LS221N	308283CG	.36	.29	.276

† Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi
 *10 pcs. in 74LS series IC cabinet kit, pg 28 **20 pcs. in 74LS series IC cabinet kit, pg 28

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74LS Series (Continued) – The Low Power Schottky Logic.



Jameco Value Offering, Save Up To 30%!

Now you can save up to 30% off market prices! Our buyers will find the best deals available from this product family's most popular manufacturers and pass the savings on to you. For this family, you are guaranteed to receive Fairchild, National, On Semi, Philips, ST and/or Toshiba product.†

Texas Instruments Products, Save Up To 20%!

Jameco now offers two ways to save! Our selection of Texas Instruments products will save you about 6-20% off TI and competitive prices. And if your project doesn't require a specific brand of IC, but can be one of five or six major brands, select from the functionally equivalent Jameco Value Offering column, to save up to 30%!



Product Descriptions – Corresponds to Left Column Below

Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description	Base No.	Pins	Description
74LS240	20	Octal Buff., Invert.	74LS259	16	8b Add. Latch	74LS365	16	Hex Buff. Non-Inv.	74LS390	16	4b Decade Counter	74LS574	20	Oct D FF, Edge-Trig.
74LS241	20	Octal Buff., Non-Inv.	74LS266	14	Quad 2-in Ex. NOR	74LS367	16	Hex Bus Drvr. 3-St.	74LS393	14	Dual 4b Binary Cntr.	74LS590	16	8b Bi Cntr. w/o Reg.
74LS244	20	Octal Buff., 3-St.	74LS273	20	Oct D FF, Edge-Trig.	74LS368	16	Hex Buff. Inverting.	74LS423	14	Mono Multivibrator	74LS595	16	8b Shift Reg./OL
74LS245	20	Octal Transceiver	74LS279	20	Quad S-R Latch	74LS373	20	Octal D Latch, 3-St.	74LS540	20	Octal Buff. Invert.	74LS645	20	Octal Bus TXXR
74LS247	16	BCD-7-Seg. Dec./Dr OC	74LS283	16	4b Bnry Full Addr.	74LS374	20	Oct D FF, Edge-Trig.	74LS541	20	Octal Buff. Non-Inv.	74LS682	20	8b Mag. ID Comp.
74LS251	16	8:1 Mux, 3-State	74LS299	20	8-in Shift/Stor. Reg.	74LS377	20	Oct D FF w/ Clk En.	74LS573	20	Octal D Latch, 3-St.	74LS688	20	8b Mag. ID Comp.
74LS257	16	Quad 2:1 Mux, 3-St.												

DIP Package

Value Offering – Save Up To 30%					Texas Instruments – Save 6-20%				
Cross Ref No.	Part No.	1	10	100	T.I. Product No.	Part No.	1	10	100
74LS240N*	47141CG	\$.42	\$.34	\$.255	SN74LS240N	308291CG	\$.45	\$.367	\$.356
74LS241N	47167CG	\$.36	\$.299	\$.23	SN74LS241N	308304CG	\$.40	\$.328	\$.246
74LS244N	47183CG	\$.44	\$.37	\$.28	SN74LS244N	308312CG	\$.48	\$.40	\$.331
74LS245N*	47212CG	\$.53	\$.40	\$.35	SN74LS245N	308321CG	\$.58	\$.437	\$.378
74LS247N	47247CG	\$.94	\$.80	\$.60	SN74LS247N	308347CG	1.05	\$.87	\$.70
74LS251N	47271CG	\$.53	\$.398	\$.299	SN74LS251N	308355CG	\$.59	\$.437	\$.351
74LS257N	47298CG	\$.69	\$.53	\$.40	SN74LS257BN	308363CG	\$.75	\$.57	\$.427
74LS259N	47327CG	\$.47	\$.357	\$.328	SN74LS259BN	308371CG	\$.51	\$.391	\$.359
74LS266N	47360CG	\$.65	\$.498	\$.378	SN74LS266N	308380CG	\$.72	\$.60	\$.54
74LS273N*	47386CG	\$.49	\$.392	\$.303	SN74LS273N	308398CG	\$.58	\$.437	\$.331
74LS279N	47407CG	\$.50	\$.41	\$.295	SN74LS279AN	308401CG	\$.55	\$.428	\$.321
74LS283N	47423CG	\$.53	\$.453	\$.339	SN74LS283N	308435CG	\$.58	\$.493	\$.369
74LS299N	47440CG	\$.93	\$.79	\$.59	SN74LS299N	308427CG	1.05	\$.96	\$.54
74LS365N	47546CG	\$.78	\$.66	\$.495	SN74LS365AN	308443CG	\$.86	\$.73	\$.59
74LS367N	47562CG	\$.42	\$.38	\$.263	SN74LS367AN	308451CG	\$.47	\$.382	\$.286
74ALS368AN	309286CG	\$.39	\$.332	\$.311	SN74ALS368AN	309278CG	\$.42	\$.364	\$.34

† Note: Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

*10 pcs. in 74LS series IC cabinet kit, below

74LS Series IC Kit

Includes:

20-drawer component cabinet (319599CG), 20 clear plastic drawers (319601CG), 20 clear dividers (319610CG), pg 326 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90,

74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961CG	420 pcs. 74LS IC kit	6.7	\$119.95	\$107.95
130391CG	Refill for 84961CG (420 pcs.)	2.0	99.99	89.99

74ALS Series



Part No.	Cross Ref.	Pkg.	Description	1	10	100
309868CG	74ALS00AM	SOIC-14	Quad 2-input NAND gates	\$.22	\$.191	\$.176
245294CG	74ALS00AN	DIP-14	Quad 2-input NAND gates	\$.39	\$.30	\$.23
309905CG	74ALS02AM	SOIC-14	Quad 2-input NOR gates	\$.29	\$.243	\$.182
43959CG	74ALS02N	DIP-14	Quad 2-input NOR gates	\$.30	\$.27	\$.202
309948CG	74ALS04BM	SOIC-14	Hex inverters	\$.31	\$.274	\$.198
245307CG	74ALS04BN	DIP-14	Hex inverters	\$.30	\$.26	\$.195
309972CG	74ALS05AM	SOIC-14	Hex inverters w/ open collector outputs	\$.31	\$.274	\$.205
245286CG	74ALS05AN	DIP-14	Hex inverters w/ open collector outputs	\$.32	\$.29	\$.217
310009CG	74ALS08M	SOIC-14	Quad 2-input AND gates	\$.31	\$.274	\$.198
43983CG	74ALS08N	DIP-14	Quad 2-input AND gates	\$.28	\$.25	\$.21
310025CG	74ALS10AM	SOIC-14	Triple 3-input NAND gates	\$.157	\$.118	
245315CG	74ALS10AN	DIP-14	Triple 3-input NAND gates	\$.45	\$.38	\$.285

* Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

74ALS Series



Part No.	Cross Ref.	Pkg.	Description	1	10	100
310041CG	74ALS11AM	SOIC-14	Triple 3-input AND gates	\$.31	\$.274	\$.202
245323CG	74ALS11AN	DIP-14	Triple 3-input AND gates	\$.44	\$.374	\$.28
310068CG	74ALS27M	SOIC-14	Triple 3-input NOR gates	\$.33	\$.282	\$.215
63503CG	74ALS27N	DIP-14	Triple 3-input NOR gates	\$.26	\$.22	\$.165
245796CG	74ALS30AN	DIP-14	8-input NAND gate	\$.42	\$.36	\$.27
310084CG	74ALS32M	SOIC-14	Quad 2-input OR gates	\$.27	\$.208	\$.156
44134CG	74ALS32N	DIP-14	Quad 2-input OR gates	\$.40	\$.32	\$.23
310113CG	74ALS74AM	SOIC-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	\$.21	\$.166	\$.143
245892CG	74ALS74AN	DIP-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	\$.39	\$.30	\$.225
310156CG	74ALS86M	SOIC-14	Quad 2-input exclusive OR gates	\$.37	\$.299	\$.227
44214CG	74ALS86N	DIP-14	Quad 2-input exclusive OR gates	\$.25	\$.21	\$.157
310199CG	74ALS138M	SOIC-16	3 to 8 line decoder/demultiplexer	\$.46	\$.349	\$.269
309614CG	74ALS138N	DIP-16	3 to 8 line decoder/demultiplexer	\$.46	\$.349	\$.265
310228CG	74ALS139M	SOIC-16	2 to 4 line decoder/demultiplexer	\$.44	\$.349	\$.261
309649CG	74ALS139N	DIP-16	2 to 4 line decoder/demultiplexer	\$.43	\$.369	\$.276
245754CG	74ALS151N	DIP-16	1 of 8 line data selector/multiplexer	\$.48	\$.37	\$.29
309761CG	74ALS161BN	DIP-16	4-bit decade/binary counter	\$.42	\$.34	\$.283
309702CG	74ALS174N	DIP-8	Quad D-type flip-flops w/ clear	\$.53	\$.398	\$.302
309729CG	74ALS175N	DIP-16	Quad D-type flip-flops w/ clear	\$.52	\$.398	\$.298
310261CG	74ALS240AM	SOIC-20	Octal invert. 3-state bus drivers	\$.39	\$.315	\$.294
245753CG	74ALS240AN	DIP-20	Octal invert. 3-state bus drivers	\$.63	\$.48	\$.36
310295CG	74ALS244AM	SOIC-20	Octal 3-state bus drivers	\$.35	\$.301	\$.225
245761CG	74ALS244AN	DIP-20	Octal 3-state bus drivers	\$.45	\$.383	\$.287
310332CG	74ALS245AM	SOIC-20	Octal 3-state bus transceivers	\$.59	\$.448	\$.336
245770CG	74ALS245AN	DIP-20	Octal 3-state bus transceivers	\$.50	\$.42	\$.315
44100CG	74ALS251N	DIP-16	3-st. 1 of 8 line data selector/multiplexer	\$.58	\$.49	\$.37
245788CG	74ALS258N	DIP-20	3-st. quad 1 of 2 line data selector/multip. (inverting)	\$.67	\$.57	\$.43

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

74ALS Series (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
310359CG	74ALS273M	SOIC-20	Octal D-type edge-trig. flip-flops w/ clear inputs	\$.53	\$.448	\$.324
44118CG	74ALS273N	DIP-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.62	.53	.40
310421CG	74ALS373M	SOIC-20	Octal D-type 3-st. transparent latches	.59	.448	.34
44142CG	74ALS373N	DIP-20	Octal D-type 3-st. transparent latches	.34	.29	.22
310455CG	74ALS374M	SOIC-20	Octal 3-st. D-type edge-trig. flip-flops	.41	.348	.261
245809CG	74ALS374N	DIP-20	Octal 3-st. D-type edge-trig. flip-flops	.29	.25	.188
310471CG	74ALS520M	SOIC-20	8-bit comparator	1.12	.90	.77
245817CG	74ALS520N	DIP-20	8-bit comparator	.66	.56	.42
245825CG	74ALS521N	DIP-20	8-bit comparator with pullup resistors	.66	.56	.49
245833CG	74ALS533N	DIP-20	Octal D-type transparent latches w/ 3-st. outputs	.66	.56	.42
310535CG	74ALS540M	SOIC-20	Octal inverting buffers & line driv. w/ 3-st. outputs	1.22	1.03	.78
245841CG	74ALS540N	DIP-20	Octal inverting buffers & line driv. w/ 3-st. outputs	.80	.68	.51
310551CG	74ALS541M	SOIC-20	Octal buffers and line drivers w/ 3-st. outputs	.74	.62	.504
245850CG	74ALS541N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	.91	.77	.58
310578CG	74ALS573M	SOIC-20	Octal D-type transp. latches w/ 3-st. outputs	.59	.448	.336
245868CG	74ALS573N	DIP-20	Octal D-type transp. latches w/ 3-st. outputs	.49	.414	.31
310623CG	74ALS574M	SOIC-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.59	.448	.336
245876CG	74ALS574N	DIP-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.66	.56	.419
310640CG	74ALS645AM	SOIC-20	Octal bus transceivers	.74	.65	.484
245884CG	74ALS645AN	DIP-20	Octal bus transceivers	.79	.67	.50
309796CG	74ALS688N	DIP-20	8-bit identity comparator	2.95	2.39	1.79

Jameco's 3.3 Volt Logic

74LVC Series

For 3.3V power Supplies. This 3.3V logic series is offered in both 8 and 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313429CG	74LVC00AD	SOIC-14	Quad 2-input NAND gates	\$.38	\$.299	\$.21
313470CG	74LVC04AD	SOIC-14	Hex inverters	.38	.307	.21
313488CG	74LVC08AD	SOIC-14	Quad 2-input AND gates	.33	.278	.209
313496CG	74LVC14AD	SOIC-14	Hex inverters w/ Schmitt triggers	.38	.307	.21
313517CG	74LVC32AD	SOIC-14	Quad 2-input OR gates	.33	.278	.209
313533CG	74LVC74AD	SOIC-14	Dual D-type flip-flops w/ set/reset	.38	.299	.21
313576CG	74LVC125AD	SOIC-14	Quad bus buffers w/ 3-st.	.27	.216	.185
313613CG	74LVC138AD	SOIC-16	3-to-8 line decoder/demultiplexer	.37	.299	.227
313621CG	74LVC157AD	SOIC-16	2-to-1 line decoder/demultiplexer	.37	.299	.224
313648CG	74LVC244AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.33	.278	.209
313630CG	74LVC245AD	SOIC-20	4-bit sync binary counter	.41	.332	.252
313584CG	74LVC374AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.249
313541CG	74LVC541AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.249
313461CG	74LVC573AD	SOIC-20	Octal D-type latches w/ 3-st.	.41	.332	.249
313824CG	74LVC574AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313947CG	74LVC16244AT	TSSOP-48	16-bit buffer/driver w/ 3-st.	.93	.80	.60
313955CG	74LVC16245AT	TSSOP-48	16-bit bus transceiver w/ 3-st.	.95	.79	.71
313963CG	74LVC16244AT	TSSOP-48	16-bit buffer/driver w/ 3-st. w/damp. res.	.94	.80	.60

74ALVC Series

Ideal for Memory Interfacing. This 3.3V logic series is offered in both 8 & 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313980CG	74ALVC00D	SOIC-14	Quad 2-input NAND gates	\$.33	\$.266	\$.202
314309CG	74ALVC00T	TSSOP-14	Quad 2-input NAND gates	.33	.265	.202
314000CG	74ALVC04D	SOIC-14	Hex inverters	.33	.266	.199
314229CG	74ALVC08D	SOIC-14	Quad 2-input AND gates	.33	.266	.202
314341CG	74ALVC08T	TSSOP-14	Quad 2-input AND gates	.33	.265	.20
314333CG	74ALVC32T	TSSOP-14	Quad 2-input OR gates	.37	.29	.217
314253CG	74ALVC125	SOIC-14	Quad bus buffers w/ 3-state	.43	.324	.243
314456CG	74ALVCH16244T	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.04	.84	.63
314499CG	74ALVCH16245T	TSSOP-48	16-bit bus transceivers w/ 3-state	1.04	.84	.64
314528CG	74ALVCH16373T	TSSOP-48	16-bit D-type latches w/ 3-state	1.04	.84	.63
314595CG	74ALVCH16374T	TSSOP-48	16-bit D-type flip-flops w/ 3-state	1.04	.84	.64
314632CG	74ALVCH164245T	TSSOP-48	16-bit level-shifting transceivers	1.12	.95	.72

4000 Series

NEW

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562CG	CD4001N	DIP-14	Quad 2-input NOR gates	\$.32	\$.264	\$.209
197261CG	CD4001M	SOIC-14	Quad 2-input NOR gates	.28	.24	.18
675964CG	CD4002N	DIP-14	Dual 4-input NOR gates	.41	.336	.179
12597CG	CD4007N	DIP-14	Dual comp. pair with inverter	.29	.25	.22
12634CG	CD4011N	DIP-14	Quad 2-input NAND gates	.29	.24	.19
197270CG	CD4011M	SOIC-14	Quad 2-input NAND gates	*	.158	.119
675972CG	CD4012N	DIP-14	Dual 4-input NAND gates	.34	.295	.179
12677CG	CD4013N	DIP-14	Dual D flip-flops with set/reset	.35	.25	.22
197288CG	CD4013M	SOIC-14	Dual D flip-flops with set/reset	.28	.209	.133
675981CG	CD4014N	DIP-16	8-stage static shift register	.28	.265	.17
12706CG	CD4015N	DIP-16	Dual 4-stage static shift registers	.31	.249	.207
12722CG	CD4016N	DIP-14	Quad bilateral switches	.28	.24	.18
676545CG	CD4016M	SOIC-14	Quad bilateral switches	.36	.293	.152
12749CG	CD4017N	DIP-16	Decade counter/divider	.39	.35	.32
197296CG	CD4017M	SOIC-16	Decade counter/divider	.36	.31	.233
12773CG	CD4018N	DIP-16	Presettable divide-by-N counter	.27	.232	.174
675999CG	CD4019N	DIP-16	Quad AND/OR select gates	.32	.274	.17
12802CG	CD4020N	DIP-16	14-stage binary/ripple counter	.49	.39	.29
197309CG	CD4020M	SOIC-16	14-stage binary/ripple counter	.51	.43	.323
12829CG	CD4021N	DIP-16	8-stage static shift register	.29	.25	.188
54666CG	CD4022N	DIP-16	Div. by 8-cntr./driver w/ 8-decoded outputs	.32	.30	.27
12845CG	CD4023N	DIP-14	Triple 3-input NAND gates	.39	.249	.223
12853CG	CD4024N	DIP-14	7-stage binary counter	.39	.299	.227
676748CG	CD4024M	SOIC-14	7-stage binary counter	.19	.174	.16
676001CG	CD4025N	DIP-14	Triple 3-input NOR gates	.20	.18	.132
353560CG	CD4026N	DIP-16	Decade counter/divider	.62	.52	.45
12888CG	CD4027N	DIP-16	Dual JK master-slave flip-flops	.27	.22	.16
197317CG	CD4027M	SOIC-16	Dual JK master-slave flip-flops	.45	.365	.274
12909CG	CD4028N	DIP-16	BCD-to-decimal decoder	.33	.278	.194
12925CG	CD4029N	DIP-16	Presettable up/down counter	.32	.282	.248
197325CG	CD4029M	SOIC-16	Presettable up/down counter	\$.40	.30	.25
676019CG	CD4030N	DIP-14	Quad exclusive OR gates	.21	.169	.128
12950CG	CD4040N	DIP-16	12-stage binary/ripple counter	.29	.246	.184
197333CG	CD4040M	SOIC-16	12-stage binary/ripple counter	.51	.43	.323
676027CG	CD4041N	DIP-14	Quad true/complement driver	.79	.60	.335
12984CG	CD4042N	DIP-16	Quad clocked D latches	.27	.232	.174
12992CG	CD4043N	DIP-16	Quad NOR R-S latches tri-state	.30	.249	.186
13004CG	CD4044N	DIP-16	Quad 3-state NAND R-S latches tri-state	.36	.306	.228
13012CG	CD4046N	DIP-16	Micropower phase-locked loop	.30	.27	.23
13039CG	CD4047N	DIP-14	Monostable/astable multivibrator	.34	.279	.256
13055CG	CD4049N	DIP-16	Hex/buffer/converters (inverting)	.29	.24	.21
197341CG	CD4049M	SOIC-16	Hex/buffer/converters (inverting)	.21	.166	.134
13071CG	CD4050N	DIP-16	Hex/buffer/converters (non-inverting)	.30	.244	.235
197350CG	CD4050M	SOIC-16	Hex/buffer/converters (non-inverting)	.31	.26	.195
13098CG	CD4051N	DIP-16	Single 8-channel multi./demultiplexer	.45	.39	.35
197368CG	CD4051M	SOIC-16	Single 8-channel multi./demultiplexer	.24	.216	.185
13119CG	CD4052N	DIP-16	Diff. 4-channel multi./demultiplexer	.31	.26	.195
676756CG	CD4052M	SOIC-16	4-ch analog multi./demultiplexer	.47	.379	.201
13127CG	CD4053N	DIP-16	Triple 2-channel multi./demultiplexers	.24	.20	.183
676801CG	CD4053M	SOIC-16	Triple 2-ch analog multi./demultiplexer	.37	.284	.162
676035CG	CD4054N	DIP-16	4-segment LCD driver	.33	.266	.183
676043CG	CD4059N	DIP-24	CMOS prog. divide-by-M counter	2.05	1.66	1.24
13151CG	CD4060N	DIP-16	14-stage ripple-carry binary	.41	.33	.25
676810CG	CD4060M	SOIC-16	14-stg. ripple-carry binary cntr/divider/oscillator	.42	.339	.18
676051CG	CD4063N	DIP-16	4-bit magnitude counter	.59	.448	.251
13186CG	CD4066N	DIP-14	Quad bilateral switches	.35	.25	.19
197376CG	CD4066M	SOIC-14	Quad bilateral switches	.31	.232	.151
13215CG	CD4067N	DIP-24	16-channel analog multi./demultiplexer	.85	.72	.54
676060CG	CD4068N	DIP-14	8-input NAND/AND gates	.25	.183	.121
13231CG	CD4069N	DIP-14	Hex inverters (74C04)	.30	.24	.17
197384CG	CD4069M	SOIC-14	Hex inverters (74C04)	.22	.167	.109
13258CG	CD4070N	DIP-14	Quad exclusive-OR gates (74C86)	.32	.276	.196
87847CG	CD4070M	SOIC-14	Quad exclusive-OR gates	.28	.24	.17
13274CG	CD4071N	DIP-14	Quad 2-input OR gates	.32	.288	.259

*10 pcs. in 4000 series IC cabinet kit, pg 30 **20 pcs. in 4000 series IC cabinet kit, pg 30
♣ Refurbished = Backed by Jameco

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. ♣ This product has a RoHS equivalent, manufacturer may vary.

4000 & 7400 Standard Logic



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

4000 Series (Continued)

NEW

DIP



SOIC



* Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Description	1	10	100
197392CG	CD4071M	SOIC-14	Quad 2-input OR gates	.22	.19	.143
676078CG	CD4072N	DIP-14	Dual 4-input OR gates	.35	.286	.128
676086CG	CD4073N	DIP-14	Triple 3-input AND gates	.40	.379	.196
676406CG	CD4073M	SOIC-14	Triple 3-input AND gates	.45	.365	.196
676094CG	CD4075N	DIP-14	Triple 3-input OR gates	.45	.333	.196
676107CG	CD4077N	DIP-14	Quad exclusive NOR gates	.39	.281	.133
676414CG	CD4077M	SOIC-14	Quad exclusive NOR gates	.21	.20	.128
676115CG	CD4078N	DIP-14	8-input NOR/OR gates	.39	.238	.194
13354CG	CD4081N	DIP-14	Quad 2-input AND gates	.28	.26	.24
197405CG	CD4081M	SOIC-14	Quad 2-input AND gates	.20	.166	.151
676123CG	CD4082N	DIP-14	Dual 4-input AND gates	.35	.30	.179
676131CG	CD4085N	DIP-14	Dual 2-wide 2-input AND/OR inverter gates	.53	.361	.296
676140CG	CD4089N	DIP-16	Binary rate multiplier	.80	.68	.504
13400CG	CD4093N	DIP-14	Quad 2-input NANDs Schmitt trigger	.29	.25	.19
197413CG	CD4093M	SOIC-14	Quad 2-input NANDs Schmitt trigger	.30	.26	.19
13426CG	CD4094N	DIP-16	8-stage shift-and-store bus register	.33	.26	.23
13434CG	CD4098N	DIP-16	CMOS/MOS dual mono. multivibrator	.26	.24	.227
13442CG	CD4099N	DIP-16	8-bit addressable latch	.28	.24	.18
676158CG	CD4502N	DIP-16	Strobed hex inverter/buffer	*	.167	.122
13469CG	CD4503N	DIP-16	Tri-state hex buffers (74C367) 80C97	.25	.21	.158
676166CG	CD4504N	DIP-16	Hex voltage-level shifter	.49	.47	.281
13485CG	CD4510N	DIP-16	BCD up/down counter	.39	.30	.23
13493CG	CD4511N	DIP-16	BCD to 7-seg. latch/decoder/driver	.69	.59	.49
197421CG	CD4511M	SOIC-16	BCD to 7-seg. latch/decoder/driver	.39	.36	.32
13514CG	CD4512N	DIP-16	8-channel data selector	.43	.323	.242
13522CG	CD4514N	DIP-24	4-bit latch/4-16 line decoder	.94	.79	.64
13549CG	CD4516N	DIP-16	Binary up/down counter	.50	.40	.30
13565CG	CD4518N	DIP-16	Dual BCD up counters	.26	.25	.23
13581CG	CD4520N	DIP-16	Dual binary up counters	.33	.25	.20
13590CG	CD4522N	DIP-16	Program. BCD divide-by-N counter	.30	.241	.192
13602CG	CD4526N	DIP-16	Divide-by-N counter (binary)	.52	.46	.395
676422CG	CD4527N	DIP-16	BCD rate multiplier	.40	.333	.226
13611CG	CD4528N	DIP-16	Dual monostable multivibrators	1.08	.92	.69
676431CG	CD4532N	DIP-16	8-bit priority encoder	.39	.299	.169
676449CG	CD4536N	DIP-16	CMOS Programmable timer	.59	.448	.254
13653CG	CD4538N	DIP-16	Dual precision monostable multivibrators	.44	.37	.302
197430CG	CD4538M	SOIC-16	Dual precision monostable multivibrators	.32	.274	.206
13688CG	CD4541N	DIP-14	Oscillator/programmable timer	.30	.298	.241
676844CG	CD4541M	SOIC-14	Oscillator/programmable timer	.23	.183	.145
13696CG	CD4543N	DIP-16	BCD to 7-segment decoder (LCD)	.34	.273	.204
13709CG	CD4553N	DIP-16	3-digit BCD counter	2.95	2.66	2.39
354600CG	CD4555N	DIP-16	Dual 1-4 decoder/demultiplexers (H.O.)	.31	.274	.227
354618CG	CD4556N	DIP-16	Dual 1-4 decoder/demultiplexers (L.O.)	.46	.349	.26
13768CG	CD4584N	DIP-14	Hex Schmitt triggers	.39	.35	.29
197448CG	CD4584M	SOIC-14	Hex Schmitt triggers	.28	.25	.23
676457CG	CD4724N	DIP-16	CMOS 8-bit addressable latch	.32	.298	.196
676465CG	CD14538N	DIP-16	CMOS dual precision monostable multivib.	.66	.498	.279
676473CG	CD40102N	DIP-16	8-st. preset. synch. down cnts (2-decade BCD)	.79	.66	.408
676481CG	CD40103N	DIP-16	8-st. preset. synch. down cnts (8-bit binary)	.47	.423	.33
44257CG	CD40106N	DIP-14	Hex inverters Schmitt trigger (74C14)	.49	.465	.42

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

SAVE \$26

Includes:

- 20-drawer component cabinet (319599CG),
- 20 clear plastic drawers (319601CG),
- 20 clear dividers (319610CG), pg 326 and

32 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4056



84970CG

Part No.	Description	Wt. (lbs.)	1	10
84970CG	300 pcs. 4000 series CMOS IC kit	6.1	\$79.95	\$71.95
130403CG	Refill for 84970CG (300 pcs.)	1.4	58.95	52.95

4000 Series (Continued)

NEW

DIP



SOIC



Part No.	Cross Ref.	Pkg.	Description	1	10	100
676887CG	CD40106M	SOIC-14	CMOS Hex Schmitt trigger	.27	.253	.213
676490CG	CD40107N	DIP-8	Dual 2-input NAND buffer/driver	.44	.349	.198
354589CG	CD40109N	DIP-16	Quad L to H volt. level shifters	.51	.415	.378
676502CG	CD40110N	DIP-16	Decade up-down counter	1.23	1.00	.71
676511CG	CD40174N	DIP-16	HEX D-type flip flops	.43	.324	.183
676529CG	CD40192N	DIP-16	Presettable up/down counter	.46	.349	.196
676537CG	CD40193N	DIP-16	Presettable up/down counter	.59	.448	.255

7400 Series

DIP



Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979CG	7400N	DIP-14	Quad 2-input NAND gates	.69	.59	.48
49007CG	7401N	DIP-14	Quad 2-input NAND gates (O.C.)	.59	.57	.54
49015CG	7402N	DIP-14	Quad 2-input NOR gates	.75	.62	.495
49040CG	7404N	DIP-14	Hex inverters	.65	.53	.48
49074CG	7405N	DIP-14	Hex inverters (O.C.)	.69	.54	.49
49091CG	7406N	DIP-14	Hex inverter buffer/drivers (O.C.)	.52	.45	.40
49120CG	7407N	DIP-14	Hex buffer/drivers (O.C.)	.46	.41	.36
49146CG	7408N	DIP-14	Quad 2-input AND gates	.93	.69	.53
49189CG	7410N	DIP-14	Triple 3-input NAND gates	.44	.40	.29
295777CG	7411N	DIP-16	Triple 3-input AND gates	1.09	.98	.88
49402CG	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger	1.25	1.12	1.01
49437CG	7414N	DIP-14	Hex inverters Schmitt trigger	.71	.64	.58
49630CG	7416N	DIP-14	Hex inverter buffer/drivers (O.C.)	.57	.48	.36
49728CG	7417N	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	.91	.77	.58
50008CG	7420N	DIP-14	Dual 4-input NAND gates	.62	.57	.50
50083CG	7425N	DIP-14	Dual 4-input NOR gates with strobe	.80	.69	.512
50139CG	7427N	DIP-14	Triple 3-input NOR gates	.68	.58	.43
50198CG	7428N	DIP-14	Quad 2-input NOR buffers	.76	.65	.48
50227CG	7430N	DIP-14	8-input NAND gate	.62	.53	.396
50235CG	7432N	DIP-14	Quad 2-input OR gates	.81	.70	.62
50315CG	7438N	DIP-14	Quad 2-input NAND buffers (O.C.)	.60	.51	.46
50358CG	7440N	DIP-14	Dual 4-input NAND buffers	.55	.47	.35
50374CG	7442N	DIP-16	BCD-to-decimal decoder	1.39	1.12	.92
50403CG	7445N	DIP-16	BCD-to-decimal decoder/driver	1.45	1.24	.93
50411CG	7446N	DIP-16	BCD-to-7 segment decoder/driver (H.O.)	2.09	1.95	1.89
50420CG	7447N	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99
50518CG	7470N	DIP-14	Edge-triggered JK flip-flop	.83	.79	.76
50526CG	7472N	DIP-14	AND gated JK master/slave flip-flop	1.95	1.67	1.25
50534CG	7473N	DIP-14	Dual JK flip-flops with clear	1.33	1.13	.84
50551CG	7474N	DIP-14	Dual D flip-flops	.65	.54	.429
50577CG	7475N	DIP-16	4-bit bi-stable latch	2.95	2.75	2.49
50593CG	7476N	DIP-16	Dual JK flip-flops with preset and clear	2.95	2.65	2.39
50631CG	7483N	DIP-16	4-bit binary full adder	1.55	1.35	1.10
50657CG	7485N	DIP-16	4-bit magnitude comparator	1.09	.87	.64
50665CG	7486N	DIP-14	Quad exclusive-OR gates	1.75	1.59	1.45
50681CG	7489N	DIP-16	64-bit RAM P 50ns	3.85	3.50	3.28
50690CG	7490N	DIP-14	Decade counter	1.49	1.27	.95
50737CG	7492N	DIP-14	Divide-by-12 counter	1.49	1.29	.97
50745CG	7493N	DIP-14	4-bit binary counter	1.49	1.34	1.19
50770CG	7495N	DIP-14	4-bit parallel-access shift reg. (K155N)	.99	.86	.57
50796CG	7497N	DIP-16	Synch. 6-bit binary rate multipliers	2.69	2.32	1.71
49234CG	74107N	DIP-14	Dual JK flip-flop with clear	.57	.484	.363
49293CG	74116N	DIP-24	Dual 4-bit latches with clear	2.15	1.82	1.38
49322CG	74121N	DIP-14	Monostable multivibrator	1.25	1.15	1.00
49357CG	74123N	DIP-16	Dual retriggerable mono. multivibrator	1.25	1.20	.99
49373CG	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.19	1.09	.95
49411CG	74132N	DIP-14	Quad 2-input NAND Schmitt trigger	1.29	.99	.70
49496CG	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79
49509CG	74150N	DIP-24	16 to 1 line multiplexer	2.15	1.92	1.71
49525CG	74151N	DIP-16	8-input multiplexer	.75	.63	.472
49550CG	74153N	DIP-16	Dual 4/1 data selector/multiplexer	.84	.62	.429
49568CG	74154N	DIP-24	4 to 16 line decoder/demultiplexer	2.25	1.95	1.75
49605CG	74157N	DIP-16	Quad 2/1 data selector	.97	.82	.62
49648CG	74160N	DIP-16	Decade counter with async. clear	.52	.46	.41


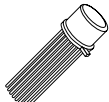
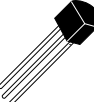
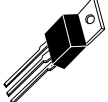



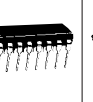
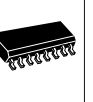
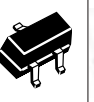



*10 pcs. in 7400 series IC cabinet kit, pg 31 *20 pcs. in 7400 series IC cabinet kit, pg 31

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Power Management

Package (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
291670CG	MAX712CPE	DIP-16	NiCd/NiMH battery fast chrg controller	\$6.15	\$5.36	\$4.32
312821CG	BQ2003S	SOIC-16	Fast Charge IC	4.09	3.33	2.62
312848CG	TI BQ2004PN	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.49	3.79	3.66
312830CG	TI BQ2004SN	SOIC-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.15	3.85	3.73
312901CG	TI BQ2010SN-D107	SOIC-16	Gas Gauge IC	4.15	3.73	3.36
312899CG	TI BQ2013HNS-A514	SOIC-16	Gas Gauge IC	6.75	6.58	6.25
312856CG	TI BQ2014SN-D120	SOIC-16	NiMH/NiCd gas gauge w/ 1-wire (DO) i/f	7.19	6.84	6.49
312928CG	TI BQ2018TS-E	TSSOP-8	Rechargeable battery power monitor	3.89	3.38	3.21
312936CG	TI BQ2019PW	TSSOP-8	Rechargeable battery power monitor	3.99	3.46	3.29
312881CG	TI BQ2040SN-D111	SOIC-16	Li-Ion/NiMH/NiCd gas gauge w/ smbus	7.19	6.84	6.50
312961CG	UC3906N	DIP-16	Linear lead acid battery charger	5.15	4.89	4.63
312944CG	TI BQ24004PWP	TSSOP-20	Li-Ion battery charger	3.45	3.20	3.05
241808CG	ICL7665SCPA	DIP-8	2-16V voltage detector	2.45	2.20	1.38
241816CG	ICL7673CPA	DIP-8	Auto battery backup switch, 2.5V to 15V	.93	.92	.75

+ Jameco Value Offering

RS-232 Drivers/Receivers

SSOP

Other packages (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
142535CG	HIN202CP	DIP-16	5V, 120kpbs, w/ 0.1µF ext. caps	\$2.65	\$2.10	\$1.57
244232CG	MAX202CSE	SOIC-16	5V, 120kpbs, w/ 0.1µF ext. caps	1.55	1.25	.94
244241CG	MAX202EPE	DIP-16	5V, 120kpbs, w/ 0.1µF ext. caps	1.29	1.14	.99
244259CG	MAX202ESE	SOIC-16	5V, 120kpbs, w/ 0.1µF ext. caps	1.29	1.14	.99
299794CG	MAX207CWG	SOIC-24	5V, w/ 0.1µF ext. caps	5.79	4.89	3.66
282790CG	MAX211CAI	SSOP-28	5V, w/ 0.1µF ext. caps	3.69	3.33	3.00
312215CG	MAX211ECAI	SSOP-28	5V, ±15kV ESD-protected	7.35	5.75	4.15
291215CG	MAX222CPN	DIP-18	5V, 200kpbs, multichannel	4.35	3.08	2.55
291303CG	MAX222CWN	SOIC-18	5V, 200kpbs, multichannel	3.89	3.09	2.42
24811CG	MAX232CPE	DIP-16	5V, 200kpbs, multichannel	2.19	1.85	1.45
318959CG	MAX232CPE	DIP-16	5V, 200kpbs, multichannel	2.89	1.77	1.49
106147CG	MAX232CWE	SOIC-16	5V, 120kpbs, multichannel	2.65	2.09	1.36
698550CG	TI MAX232D	SOIC-16	Dual EIA-232 drivers/receivers	.35	.339	.329
256401CG	MAX232DR	SOIC-16	5V, 120kpbs, dual driver/receiver	.76	.66	.63
698568CG	TI MAX232DW	SOIC-16	Dual EIA-232 drivers/receivers	.35	.339	.329
106155CG	MAX232EPE	DIP-16	5V, 120kpbs, multichannel	3.19	2.51	1.73
698576CG	TI MAX232N	DIP-16	Dual EIA-232 drivers/receivers	.39	.378	.367
106163CG	MAX233CPP	DIP-20	5V, 120kpbs, multichannel	6.19	4.99	4.66
106171CG	MAX235CPG	DIP-24	5V, 120kpbs, multichannel	13.39	10.62	7.15
106180CG	MAX238CNG	DIP-24	5V, 120kpbs, multichannel	6.29	4.79	3.28
276883CG	MAX238CNG	DIP-24	5V, 120kpbs, multichannel	1.59	1.52	1.45
193691CG	DS1488D	SOIC-14	15V, quad line driver	*	.133	.12
23157CG	DS1488N	DIP-14	15V, quad line driver	.29	.25	.22
16361CG	DS14C88N	DIP-14	5-12V, quad line driver	.65	.58	.55
23181CG	DS1489N	DIP-14	5V, quad line receiver	.23	.215	.20
16379CG	DS14C89N	DIP-14	5V, quad line receiver	1.00	.73	.55
252128CG	MAX3221CAE	SSOP-16	3-5.5V, 120kpbs, auto shutdown	2.05	1.93	1.82
698584CG	TI MAX3221CDB	SSOP-16	3-5.5V sngl RS-232 line drv/rec w/±15kV ESD	1.09	1.06	1.03
698592CG	TI MAX3221CPW	TSSOP-16	3-5.5V sngl RS-232 line drv/rec w/±15kV ESD	1.09	1.06	1.03
277042CG	MAX3221CEAE	SSOP-16	3-5.5V, 120kpbs, auto shutdown	2.65	2.27	2.13
698605CG	TI MAX3221PW	TSSOP-16	3-5.5V sngl RS-232 line drv/rec w/±15kV ESD	.99	.97	.94
299760CG	MAX3222CAP	SSOP-20	3-5.5V, 1Mbps, ±15kV ESD protected	3.35	2.69	1.83
276963CG	MAX3222CDBR	SSOP-20	3-5.5V, 1Mbps, ±15kV ESD protected	1.95	1.85	1.74
698613CG	TI MAX3232CD	SOIC-16	3-5.5V multich RS-232 line drv/rec w/±15kV ESD	1.19	1.16	1.13

* 10 pcs. in Linear series IC cabinet kit, pg 39

+ Jameco Value Offering

+ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

+ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

RS-232 Drivers/Recvrs (Cont'd)

SSOP

Other packages (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
276859CG	MAX3232CDR	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	\$1.69	\$1.61	\$1.45
698621CG	TI MAX3232CPW	TSSOP-16	3-5.5V multich RS-232 line drv/rec w/±15kV ESD	1.19	1.16	1.13
276867CG	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	3.15	2.85	2.35
698630CG	TI MAX3232PW	TSSOP-16	3-5.5V multich RS-232 line drv/rec w/±15kV ESD	1.29	1.26	1.22
276795CG	MAX3238CDBR	SSOP-28	3-5.5V, 250kpbs, auto shutdown	1.55	1.45	1.35
276824CG	MAX3238IDBR	SSOP-28	3-5.5V, 250kpbs, auto shutdown	2.05	1.85	1.70
698648CG	TI MAX3243CDBR	SSOP-28	3-5.5V multich RS-232 line drv/rec w/±15kV ESD(HBM)	.89	.87	.84
276761CG	MAX3243CDWR	SOIC-28	3-5.5V, 200kpbs, auto shutdown	1.31	1.23	1.14
276779CG	MAX3243IDWR	SOIC-28	3-5.5V, 200kpbs, auto shutdown	1.69	1.61	1.45
698656CG	TI MAX3243PW	TSSOP-28	3-5.5V multich RS-232 line drv/rec w/±15kV ESD(HBM)	1.19	1.16	1.13
299911CG	DS14C232CM	SOIC-16	5V, LP, TIA/EIA dual driver/receiver	1.05	.94	.86
235301CG	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/receiver	.78	.77	.76
277982CG	SN75185DW	SOIC-20	10V, 120kpbs, multiple driver/receiver	.60	.50	.40
256081CG	SN75185N	DIP-20	10V, 120kpbs, multiple driver/receiver	.61	.52	.39
245366CG	SN75C188D	SOIC-14	4.5-15V, quad LP line driver	.56	.42	.31
23181CG	SN75189N	DIP-14	5V, quad line receiver	.23	.215	.20
193703CG	SN75189D	SOIC-14	5V, quad line receiver	.46	.29	.15
245374CG	SN75C189D	SOIC-14	7V, quad LP line receiver	.56	.42	.31
278205CG	TL145406N	DIP-16	7.5-15V, 120kpbs, triple driver/receiver	.88	.81	.60
25099CG	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver	1.95	1.75	1.59

RS-422/485 Drivers/Receivers

Package (see above)

Part No.	Mfr. Cross Ref.	Pkg.	Description	1	10	100
299815CG	LTC485CS8	SOIC-8	RS-485 LP transceiver, 5V	\$2.59	\$1.76	\$1.45
299807CG	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	1.35	1.17	.91
276605CG	SP490CN	SOIC-8	RS-485/422 LP transceiver, 12V	2.25	1.80	1.15
276576CG	MAX490CPA	DIP-8	RS-485/422 LP transceiver, 12V	2.25	1.78	1.68
276550CG	MAX491CPD	DIP-14	RS-485/422 LP transceiver, 12V	2.55	2.05	1.85
311837CG	MAX1480BEP	DIP-28	RS-485/422 data interface, 5V	28.75	22.29	20.72
244179CG	ADM1485JN	DIP-8	RS-485 diff bus transceiver, 5V	1.95	1.60	1.20
244187CG	ADM1485JR	SOIC-8	RS-485 diff bus transceiver, 5V	1.55	1.40	1.25
244195CG	MAX1487CPA	DIP-8	RS-485/422 LP transceiver, 12V	2.25	1.45	1.22
244208CG	MAX1487CSA	SOIC-8	RS-485/422 LP transceiver, 12V	2.15	1.99	1.53
39571CG	AM26LS30	DIP-16	RS-422/423 line driver, 5V	2.39	2.05	1.76
39589CG	AM26LS31CN	DIP-16	RS-422 quad diff line driver, 5V	.61	.54	.43
243555CG	AM26LV31CD	SOP-16	RS-422 quad diff line driver, 3.3V	.72	.65	.63
39600CG	AM26LS32CN	DIP-16	RS-422/423 quad diff line receiver, 5V	.62	.53	.42
272217CG	DS26LS32ACN	DIP-16	RS-422/423 quad diff line receiver, 5V	.43	.40	.30
252427CG	MC3486DA	SOIC-16	RS-422/423 quad diff line receiver, 5V	.62	.53	.39
25232CG	MC3486P	DIP-16	RS-422/423 quad diff line receiver, 5V	.66	.56	.38
252961CG	MC3487D	SOIC-16	RS-422 quad diff line driver, 5V	.46	.39	.29
25259CG	MC3487P	DIP-16	RS-422/423 quad line driver, 5V	.62	.52	.39
298142CG	NSC DS3691M	SOIC-16	RS-422/423 quad line driver, 5V	1.79	1.35	1.00
298134CG	NSC DS3691N	DIP-16	RS-422/423 quad line driver, 5V	1.11	1.03	.77
144039CG	NSC DS3695N	DIP-8	RS-422/423 multipoint transceiver, 5V	1.59	1.19	.90
235336CG	NSC DS3696N	DIP-8	RS-422/423 multipoint transceiver, 5V	2.09	1.56	1.17
299671CG	NSC DS8921AN	DIP-8	RS-422 diff line driver/receiver pair, 5V	1.46	1.10	.82
298169CG	NSC DS8921M	SOIC-8	RS-422 diff line driver/receiver pair, 5V	1.34	1.00	.75
299701CG	NSC DS8922AM	SOIC-16	RS-422 dual diff line driver/rec pair, 5V	1.45	1.10	.80
299719CG	NSC DS8922AN	DIP-16	RS-422 dual diff line driver/rec pair, 5V	1.99	1.53	1.15
299727CG	NSC DS8923AN	SOIC-16	RS-422 dual diff line driver/rec pair, 5V	1.49	1.13	.83
309753CG	NSC DS8923AM	DIP-16	RS-422 dual diff line driver/rec pair, 5V	1.55	1.15	.85

+ Jameco Value Offering

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

RS-422/485 Drivers/Receivers (Cont'd)

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
235344CG	+	DS36C278N	DIP-8	RS-485 LP multipoint transceiver, 5V	\$ 2.35	\$1.76	\$1.55
50948CG	+	SN75174N	DIP-16	RS-422 quad diff line driver, 5V	.76	.65	.48
245340CG	+	SN75175D	SOIC-16	RS-422/423 quad diff line rec, 5V	.59	.50	.38
50956CG	TI	SN75175N	DIP-16	RS-422/423 quad diff line rec, 5V	.72	.56	.45
243715CG	+	SN75LBC175N	DIP-16	RS-422/423/485 quad diff line rec, 5V	2.45	2.40	2.32
50964CG	+	SN75176BN	DIP-8	RS-422 diff line bus transceiver, 5V	.65	.55	.45
251053CG	TI	SN75LBC176D	SOIC-8	RS-485 diff bus transceiver, 5V	2.65	2.60	2.54
244136CG	TI	SN75LBC176AP	DIP-8	RS-485 diff bus transceiver, 5V	1.75	1.64	1.57
251846CG	TI	SN75LBC176D	SOIC-8	RS-485 diff bus transceiver, 5V	1.25	1.14	.85
243723CG	TI	SN75LBC176P	DIP-8	RS-485 diff bus transceiver, 5V	1.48	1.19	1.05
235387CG	NSC	DS96172CN	DIP-16	RS-485/422 quad diff line driver, 5V	2.95	2.75	2.50
235395CG	NSC	DS96174CN	DIP-16	RS-485/422 quad diff line driver, 5V	1.95	1.45	1.30
235408CG	NSC	DS96176CN	DIP-8	RS-485/422 diff bus driver, 5V	1.55	1.43	1.35
+ Jameco Value Offering Blue Part No. = Limited Quantity Available							

Interface Series

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
310501CG	TI	XTR101AU	SOIC-16	11.6-40V, 2-wire transmitter	\$15.45	\$15.05	\$14.66
312021CG	TI	XTR105AP	DIP-14	7.5-30V, current transmitter	7.29	7.19	6.91
116206CG	+	TC426CPA	DIP-8	4.5-18V, dual MOSFET driver	1.03	.93	.85
245593CG	+	TC426EOA	SOIC-8	4.5-18V, dual MOSFET driver	.99	.95	.89
242077CG	+	TC428CPA	DIP-8	4.5-18V, dual MOSFET driver	.87	.85	.82
242085CG	+	MAX626CPA	DIP-8	4.5-18V, dual MOSFET driver	.93	.83	.75
246692CG	+	LT1030N	DIP-14	5-15V, quad LP line driver	.80	.73	.55
310754CG	MCH	TC1426COA	SOIC-8	4.5-16V, dual MOSFET driver	.68	.66	.64
310771CG	+	TC1426CPA	DIP-8	4.5-16V, dual MOSFET driver	.86	.84	.82
12239CG	ISL	CA3161E	DIP-16	5V, BCD 7-seg. decoder driver	2.95	2.65	2.39
310480CG	ON	MC33152D	SOIC-8	20V, dual MOSFET driver	1.15	1.07	.86
310439CG	ON	MC33152P	DIP-8	20V, dual MOSFET driver	1.05	.97	.72
25216CG	NSC	MC3479P	DIP-16	7.2-16.5V, stepper motor driver	3.79	3.22	2.55
24230CG	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.39	2.05	1.94
300003CG	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	1.65	1.54	1.38
246625CG	NSC	LM3914V	PLCC-20	25V, dot/bar display driver	2.35	2.00	1.50
24256CG	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.19	1.64	1.23
24272CG	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.25	1.79	1.35
291320CG	+	MIC4420CM	SOIC-8	4.5-18V, 6A LS MOSFET driver	.81	.79	.59
291434CG	+	MIC4420CN	DIP-8	4.5-18V, 6A LS MOSFET driver	1.23	1.12	.84
251029CG	+	TC4420COA	SOIC-8	4.5-18V, 6A LS MOSFET driver	1.20	1.15	1.10
310965CG	+	TC4422CPA	DIP-8	4.5-18V, 9A LS MOSFET driver	1.75	1.60	1.48
310800CG	+	TC4422EPA	DIP-8	4.5-18V, 9A LS MOSFET driver	1.85	1.48	1.33
291590CG	+	MIC4427CM	SOIC-8	4.5-18V, dual 1.5A LS MOSFET driver	.87	.83	.62
291645CG	+	MIC4429CN	DIP-8	4.5-18V, 6A LS MOSFET driver	1.45	1.28	1.21
243379CG	+	MM5453N	DIP-40	3-10V, LCD driver	2.69	2.44	2.10
244691CG	+	ICL7136CPL	DIP-40	15V, 3 1/2 digit LCD driver	3.65	3.20	2.90
313453CG	+	ICM7211AMPL	DIP-40	6.5V, 4 digit LCD driver	2.49	2.25	2.10
313437CG	+	ICM7218AUJ	DIP-28	5V, 8 digit LCD driver	4.25	4.05	3.85
313445CG	+	ICM7218BUJ	DIP-28	5V, 8 digit LCD driver	5.69	5.50	5.25
312160CG	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	8.95	6.95	4.65
312178CG	MAX	MAX7219CWG	SO-24	5V, 8 digit LCD driver	8.65	7.00	6.15
313322CG	+	ICM7228AIP	DIP-28	5V, 8 digit LCD driver	3.95	3.55	3.19
241875CG	+	FAN8082	DIP-8	18V, bi-directional DC motor driver	.65	.50	.40
241867CG	+	FAN8200	DIP-14	18V, bi-directional step motor driver	.60	.58	.56
53663CG	+	9368	DIP-16	7V, 7-segment decoder driver	3.99	3.49	3.20
70082CG	VSH	SI9978DW	SOIC-24	Configurable H-bridge driver	3.99	3.49	3.20
256727CG	TI	SN65LVDS31D	SOIC-16	3.3V, HS differential line driver	1.49	1.37	1.25
256719CG	TI	SN65LVDS04ABD	SOIC-16	3.3V, quad LVDS line receiver	2.75 2.59	2.41	2.17
272188CG	TI	SN65LVDS050D	SOIC-16	3.3V, HS diff line driver/receiver	3.59	3.35	3.13
241824CG	+	MC14489BP	DIP-20	5V, 7-segment LED display driver	3.75	3.64	3.52
287831CG	+	MC1489BDW	SOG-20	5V, 7-segment LED display driver	3.39	3.19	3.05
50884CG	+	SN75154N	DIP-16	5-12V, quad line receiver	.68	.51	.38
277907CG	+	SN75172N	DIP-16	5V, quad diff line driver	.94	.87	.65
277958CG	+	SN75179BD	SOIC-8	5V, quad diff line driver/receiver	1.07	.90	.67
277940CG	+	SN75179BP	DIP-8	5V, diff line driver/receiver	.67	.61	.57
51027CG	+	SN75451AN	DIP-8	7V, dual peripheral AND driver	.34	.31	.23
+ Jameco Value Offering							

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

RS-422/485, Interface, 5000 & UARTs

Interface Series (Continued)

					Package (see pg 32)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
278133CG	TI	SN75LBC180AN	DIP-14	0.3-6V, diff driver/receiver	\$2.15	\$2.10	\$2.05
277966CG	+	SN75182N	DIP-14	5V, dual diff line receiver	.63	.58	.43
277974CG	+	SN75183N	DIP-14	5V, dual diff line driver	.91	.84	.74
51027CG	+	SN75451AN	DIP-8	7V, dual peripheral AND driver	.34	.31	.23
51035CG	+	SN75452N	DIP-8	7V, dual peripheral NAND driver	.*	.167	.15
278002CG	+	SN75453BP	DIP-8	7V, dual peripheral OR driver	.39	.30	.23
277317CG	+	SN75454BP	DIP-8	7V, dual peripheral NOR driver	.56	.42	.31
277430CG	+	SN75462P	DIP-8	7V, dual peripheral NAND driver	.65	.49	.36
278037CG	+	SN75471P	DIP-8	7V, dual peripheral AND driver	.50	.38	.28
278053CG	+	SN75472P	DIP-8	7V, dual peripheral NAND driver	.39	.36	.27
278061CG	+	SN75477P	DIP-8	7V, dual peripheral NAND driver	.35	.33	.245
51131CG	+	SN75492P	DIP-14	5V, HEX digit driver	3.45	3.00	2.85
310746CG	TI	SN75117N	DIP-16	5V, dual diff line driver/receiver	2.89	2.50	2.44
253083CG	+	SN751730N	DIP-16	5V, triple line driver/receiver	2.65	2.30	2.05
+ Jameco Value Offering							

					DIP		
Part No.	Product No.	Pkg.	Description		1	10	50
323969CG	EDEF609	DIP-8	Serial stepper motor controller		\$11.99	\$11.39	\$10.49
323977CG	EDEF639/P	DIP-8	Servo controller		8.95	8.55	7.75
323993CG	EDEF649	DIP-8	Five pin output controller		8.95	8.55	7.65
171951CG	EDE702	DIP-18	Serial LCD interface		8.99	7.65	6.75
321710CG	EDE707	DIP-28	Octal 7-segment LED display decoder		8.99	7.65	6.75
321728CG	EDE747	DIP-24	7-segment decoder/driver		5.99	4.65	4.15
321701CG	EDE1188	DIP-28	8x8 matrix universal keypad encoder		8.89	7.65	5.73
171969CG	EDE1144	DIP-18	Keypad encoder		6.99	5.65	5.00
141532CG	EDE1200	DIP-18	Unipolar stepper motor controller		8.29	6.90	5.90
157526CG	EDE1204	DIP-18	Bipolar stepper motor controller		7.55	6.35	5.35
321736CG	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan		5.99	4.65	4.15
321744CG	EDE2108A	DIP-20	One-of-eight latch single channel		5.99	5.09	4.15
321752CG	EDE2108D	DIP-20	One-of-eight latch act/deact		5.99	5.09	4.15
321761CG	EDE2208/P	DIP-18	8-pushbutton momentary to toggle		5.45	4.25	3.75
324005CG	EDE8744	DIP-28	16-key serial keypad and 2x40 LCD driver		13.89	11.79	10.65

5000 Series & Clock Chips

					DIP		
Part No.	Cross Ref.	Pkg.	Description		1	10	50
32803CG	TCM5089N	DIP-16	Touch tone generator		\$5.25	\$4.75	\$4.05
26091CG	MM5321N	DIP-16	TV camera synchronous generator		4.75	4.31	3.91
26171CG	MM5450N	DIP-40	LED display driver		2.79	2.60	2.30
86799CG	LM555CM	SOIC-8	Timer		.25	.16	.13
27422CG	LM555CN**	DIP-8	Timer		.29	.23	.20
126797CG	LMC555CN*	DIP-8	CMOS timer		.51	.47	.42
24328CG	LM556N*	DIP-14	Dual timer		.82	.60	.45
26201CG	MM58167AN	DIP-24	CPU real time clock		2.55	2.29	2.06
95530CG	RTC72421B	DIP-18	Real time clock		6.79	5.69	4.34
25101CG	MC146818	DIP-24	Real time clock with RAM		6.29	5.66	5.09
10567CG	AM9513APC	DIP-40	Real time clock		39.95	33.96	25.47
*10 pcs. in Linear series IC cabinet kit, pg 39 **20 pcs. in Linear series IC cabinet kit, pg 39 Pull = Extra Savings Blue Part No. = Limited Quantity Available							

UARTs

					DIP		
Part No.	Cross Ref.	Pkg.	Description		1	10	100
43158CG	6402	DIP-40	5V CMOS		\$6.25	\$5.35	\$4.99
27570CG	NS16C450N	DIP-40	Async. communication element, 5V		2.39	1.93	1.53
288753CG	TL16C450FN	PLCC-68	Async. communication element, 5V		2.39	1.94	1.45
288761CG	TL16C451FN	PLCC-68	Parallel port, 5V		3.39	2.75	2.17
288770CG	TL16C452FN	PLCC-68	Async. communication element, 5V		4.45	3.59	2.85
27596CG	NS16550AN	DIP-40	Async. communication element, 5V		4.45	4.05	2.25
288796CG	TL16C550CFN	PLCC-44	1-channel w/ autoflow control, 5V		2.75	2.27	1.70
288809CG	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V		2.79	2.27	1.79
288825CG	TL16C552AFN	PLCC-68	2-channel w/ 16-byte FIFO, 5V		5.45	4.43	3.78
288841CG	TL16C554FN	PLCC-68	4-channel w/ 16-byte FIFO, 5V		9.89	9.39	8.93
288876CG	TL16C750FN	PLCC-44	1-channel w/ 64-byte FIFO, 5V		5.75	5.65	5.55
288905CG	TL16C754BFN	PLCC-68	4-channel w/ 64-byte FIFO, 5V		13.69	12.99	12.35
Pull = Extra Savings							

Encoders/Decoders, Motor Controllers & A/D, D/A Converters

Color Code Legend
New Sale Lower\$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC

Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Encoders/Decoders

		Package (see above)				
Part No.	Cross Ref.	Pkg.	Description	1	10	100
243942CG	HCS300+DIP-8	DIP-8	Code hopping decoder, 2-6.3V	\$1.75	\$1.69	\$1.63
243483CG	HCS512	DIP-18	Code hopping decoder, 4-6V	6.55	6.25	6.15
243934CG	HCS515+DIP-14	DIP-14	Code hopping decoder, 4.5-5.5V	3.05	2.89	2.75
243951CG	HCS2000+DIP-8	DIP-8	Code hopping decoder, 3.5-13V	1.55	1.50	1.45
123730CG	HT12E+DIP-18	DIP-18	Encoder, 2.4-12V	1.69	1.49	1.29
123748CG	HT12D+DIP-18	DIP-18	Decoder, 2.4-12V	1.69	1.49	1.29
126607CG	HT648L+DIP-24	DIP-24	Decoder, 2.4-12V	1.95	1.75	1.59
243441CG	MCP2120+DIP-14	DIP-14	Infrared encoder/decoder, 3-5V	2.05	1.95	1.89
243459CG	MCP2150+DIP-18	DIP-18	Standard protocol stack controller, 3-5V	7.59	6.92	6.29
243408CG	TP3054+DIP-16	DIP-16	U-law PCM CODEC & filter, 5V	2.45	1.92	1.44
243416CG	TP3057+DIP-16	DIP-16	A-law PCM CODEC & filter, 5V	2.15	1.65	1.25
243424CG	TP3064+DIP-20	DIP-20	U-law PCM CODEC & filter, 5V	3.15	3.00	2.75
243432CG	TP3067+DIP-20	DIP-20	A-law PCM CODEC & filter, 5V	1.85	1.45	1.30
287937CG	MCP2120+SOIC-14	SOIC-14	Infrared encoder/decoder, 3-5V	1.99	1.89	1.85
287945CG	MCP2140+IP+DIP-18	DIP-18	Standard protocol stack controller, 3-5V	2.29	2.26	2.17
287953CG	MCP2140+ISO+SOIC-18	SOIC-18	Standard protocol stack controller, 3-5V	2.29	2.22	2.15
287961CG	MCP2140+ISS+SSOP-20	SSOP-20	Standard protocol stack controller, 3-5V	2.39	2.35	2.27
287970CG	MCP2150+ISO+SOIC-18	SOIC-18	Standard protocol stack controller, 3-5V	6.95	6.85	6.70
291004CG	TP3054WM+SOIC-16	SOIC-16	Interface encoder/filter, 5V	2.05	1.60	1.20
287849CG	MC145026D+SOIC-16	SOIC-16	Encoder, 2.5-18V	1.25	1.00	.85
296702CG	MC145026P+DIP-16	DIP-16	Encoder, 2.5-18V	1.45	.97	.94
296711CG	MC145027P+DIP-16	DIP-16	Decoder, 4.5-18V	2.95	2.65	2.40
296729CG	MC145028P+DIP-16	DIP-16	Decoder, 4.5-18V	2.25	1.55	1.16
287873CG	MC145481DW+SOG-20	SOG-20	U-law/A-law PCM CODEC, 3V	2.45	2.40	2.35
287890CG	MC145484DW+SOIC-20	SOIC-20	U-law/A-law PCM CODEC, 3V	2.19	1.75	1.73
287902CG	MC145484SD+SSOP-20	SSOP-20	U-law/A-law PCM CODEC, 3V	2.59	2.47	2.35

Blue Part No. = Limited Quantity Available

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472CG: PIC-SERVO Motion Control Chipset for DC Motors

- PIC servo control for DC motors with digital encoders
- 32-bit position, velocity, and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chip set (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)



175901CG

175901CG: PIC-SERVO Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. - suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents
- Programmable accelerations and minimum step rates

323934CG: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step & direction inputs

Part No.	Description	Package	1	10	50
146472CG	Motion control chipset for DC motors	DIP-28/18, 0.3"	\$31.35	\$26.55	\$25.15
175901CG	Motion control chip for stepper motors	DIP-28, 0.3"	25.45	22.75	20.55
323934CG	SC servo motion control IC	DIP-28, 0.3"	29.95	27.50	25.75

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!

Stepper Motor Drivers/Controllers

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288059CG	L292+DIP-15	DIP-15	Multit Watt-15 Switch mode DC motor driver, 36V	\$5.29	\$5.03	\$4.78
310703CG	L294+DIP-11	DIP-11	Multit Watt-11 Switch mode solenoid driver, 36V	3.05	2.63	1.97
310738CG	L295	DIP-15	Dual switch mode solenoid driver, 46V	6.19	5.75	5.49
288067CG	L297/1+DIP-20	DIP-20	Stepper motor controller, 5V	5.19	4.99	4.46
288075CG	L297D+SOIC-20	SOIC-20	Stepper motor controller, 5V	5.99	5.69	5.40
245403CG	L298N+DIP-15	DIP-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288083CG	L6201+SOIC-20	SOIC-20	DMOS full bridge driver, 48V	7.79	7.19	6.45
288091CG	L6202+DIP-18	DIP-18	DMOS full bridge driver, 48V	7.15	6.62	5.29
288104CG	L6203+DIP-11	DIP-11	DMOS full bridge driver, 48V	9.05	8.75	8.25
288112CG	L6506+DIP-18	DIP-18	Stepper motor current controller, 5V	2.89	2.80	2.10
288121CG	L6506D+SOIC-20	SOIC-20	Stepper motor current controller, 5V	3.55	3.45	3.31

A/D & D/A Converters

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748CG	7106CPL+DIP-40	DIP-40	A/D, 3 1/2-digit LCD/LED display, 9V	\$3.25	\$2.91	\$2.41
43756CG	7107CPL+DIP-40	DIP-40	A/D, 3 1/2-digit LCD/LED display, ±5V	2.95	2.40	2.05
290263CG	ICL7135CPI+DIP-28	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.48	3.83
289545CG	TLC5401DW+SOIC-20	SOIC-20	A/D, 8-bit, 5V, 75Ksps	3.25	3.20	3.15
289553CG	TLC5401FN+PLCC-20	PLCC-20	A/D, 8-bit, 5V, 75Ksps	3.29	3.22	3.15
289588CG	TLC5401N+DIP-20	DIP-20	A/D, 8-bit, 5V, 75Ksps	3.35	3.15	2.99
289596CG	TLC5411DW+SOIC-20	SOIC-20	A/D, 8-bit, 5V, 40Ksps	2.75	2.60	2.55
289609CG	TLC5411FN+PLCC-20	PLCC-20	A/D, 8-bit, 5V, 40Ksps	2.65	2.33	1.74
289625CG	TLC5411N+DIP-20	DIP-20	A/D, 8-bit, 5V, 40Ksps	2.85	2.69	2.55
289684CG	TLC542CDW+SOIC-20	SOIC-20	A/D, 8-bit, 5V, 25Ksps	2.55	2.47	2.45
289692CG	TLC542CN+DIP-20	DIP-20	A/D, 8-bit, 5V, 25Ksps	2.55	2.47	2.45
289705CG	TLC5421FN+PLCC-20	PLCC-20	A/D, 8-bit, 5V, 25Ksps	2.49	2.30	1.80
289713CG	TLC545CN+DIP-28	DIP-28	A/D, 8-bit, 5V, 76Ksps	5.45	5.35	5.25
289730CG	TLC5481D+SOIC-8	SOIC-8	A/D, 8-bit, 3-5V, 45Ksps, 1-channel	2.39	2.25	2.20
289781CG	TLC549CD+SOIC-8	SOIC-8	A/D, 8-bit, 3-6V, 40Ksps, 1-channel	1.85	1.70	1.60
289810CG	TLC549CP+DIP-8	DIP-8	A/D, 8-bit, 3-6V, 40Ksps, 1-channel	1.85	1.70	1.52
290984CG	TLV5711DW+SOIC-24	SOIC-24	A/D, 8-bit, 2.7-5.5V, 1250/625Ksps, 1-ch	4.29	4.09	3.99
290992CG	TLV5711PW+TSSOP-24	TSSOP-24	A/D, 8-bit, 2.7-5.5V, 1250/625Ksps, 1-ch	4.29	4.09	3.99
10145CG	ADC0803LCN+DIP-20	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	4.29	3.10	2.69
10153CG	ADC0804LCN+DIP-20	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	1.99	1.75	1.39
10170CG	ADC0808CCN+DIP-28	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	3.65	3.55	3.32
10188CG	ADC0809CCN+DIP-28	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	2.19	2.01	1.83
10209CG	ADC0817CCN+DIP-40	DIP-40	A/D, 8-bit, 5V, 9.1Ksps, 16-channel	7.15	6.44	5.55
10225CG	ADC0820CCN+DIP-20	DIP-20	A/D, 8-bit, 5V, 1.5µs	2.15	1.99	1.81
116100CG	ADC0831CCN+DIP-8	DIP-8	A/D, 8-bit, 5V, 32µs	1.79	1.63	1.48
290474CG	TLV0831CD+SOIC-8	SOIC-8	A/D, 8-bit, 3V, 32µs	2.39	2.29	2.25
290491CG	TLV0831CP+DIP-8	DIP-8	A/D, 8-bit, 3V, 32µs	2.29	2.03	1.52
251176CG	TL0831CP+DIP-8	DIP-8	A/D, 8-bit, 5V, 32µs	2.59	2.52	2.45
290538CG	TLC0832CD+SOIC-8	SOIC-8	A/D, 8-bit, 3V, 32µs	2.39	2.29	2.25
290562CG	TLV0834CD+SOIC-14	SOIC-14	A/D, 8-bit, 3V, 32µs	2.25	2.02	1.51
290571CG	TLV0834IN+DIP-14	DIP-14	A/D, 8-bit, 3V, 32µs	2.65	2.57	2.50
290600CG	TLV0838CDW+SOIC-20	SOIC-20	A/D, 8-bit, 3V, 32µs	2.49	2.39	2.35
290618CG	TLV0838IN+DIP-20	DIP-20	A/D, 8-bit, 3V, 32µs	2.65	2.55	2.50
287603CG	ADS930E+SSOP-28	SSOP-28	A/D, 8-bit, 3-5V, 30MHz, pipelined	4.69	4.35	4.00
296690CG	AD7226KN+DIP-20	DIP-20	D/A, 8-bit, 2-12.5V, 4µs, 4-channel	18.19	17.17	15.95
242296CG	TLC1543+DIP-20	DIP-20	A/D, 10-bit, 5V, 26µs, 11-channel	2.95	2.55	2.40
242309CG	TLC1549+DIP-8	DIP-8	A/D, 10-bit, 5V, 26µs, 1-channel	2.85	2.45	2.25
287591CG	ADS901E+SSOP-28	SSOP-28	A/D, 10-bit, 3V, 20MHz, pipelined	6.19	6.05	5.90
288681CG	THS10301DW+SOIC-28	SOIC-28	A/D, 10-bit, 3-5.5V, 30Msps	7.29	7.05	6.75

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

A/D & D/A Converters (Continued)

A/D & D/A Converters (Continued)				Package (see pg 34)			
Part No.	Cross Ref.	Pkg.	Description	1	10	100	
288690CG	THS1031IDW	SOIC-28	A/D, 10-bit, 3-5.5V, 30Msps	\$8.09	\$7.85	\$7.55	
288729CG	THS1031IPW	TSSOP-28	A/D, 10-bit, 3-5.5V, 30Msps	8.09	7.85	7.55	
289001CG	TLC1541CDW	SOP-20	A/D, 10-bit, 5V, 32Ksps	6.05	5.75	5.45	
289019CG	TLC1541CN	DIP-20	A/D, 10-bit, 5V, 32Ksps	6.09	5.85	5.75	
289027CG	TLC1541CFN	PLCC-20	A/D, 10-bit, 5V, 32Ksps	5.79	5.59	5.39	
289078CG	TLC1542CDW	SOP-20	A/D, 10-bit, 5V, 26µs, 11-channel	3.75	3.65	3.49	
289107CG	TLC1542CN	DIP-20	A/D, 10-bit, 5V, 26µs, 11-channel	4.55	4.39	4.25	
289115CG	TLC1542CFN	PLCC-20	A/D, 10-bit, 5V, 26µs, 11-channel	4.55	4.39	4.25	
289123CG	TLC1543CDB	SSOP-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-channel	3.39	3.15	3.05	
289131CG	TLC1543CDW	SOIC-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-channel	3.35	3.25	3.09	
289220CG	TLC1543CFN	PLCC-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-channel	3.35	3.25	3.09	
289271CG	TLC15430DB	SSOP-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-channel	4.05	3.79	3.75	
289300CG	TLC15430DW	SOIC-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-channel	3.99	3.79	3.75	
289334CG	TLC15430FN	PLCC-20	A/D, 10-bit, 5V, 26µs, 11-channel	3.99	3.79	3.75	
289369CG	TLC1549CD	SOP-8	A/D, 10-bit, 5V, 2.6µs, 11-channel	3.35	3.19	3.05	
289377CG	TLC1551FN	PLCC-28	A/D, 10-bit, 5V, 6µs, 1-channel	6.29	5.99	5.70	
277165CG	MAX186BCPP	DIP-20	A/D, 12-bit, 5V, 6µs, 8-channel	24.65	24.00	23.45	
277157CG	MAX186DCWP	SOIC-20	A/D, 12-bit, 5V, 6µs, 8-channel	19.05	14.99	13.99	
277069CG	MAX197BCNI	DIP-28	A/D, 12-bit, 5V, 10Ksps, 8-channel	24.89	22.90	20.95	
287582CG	ADS774JU	SOIC-28	A/D, 12-bit, 5V, 117Ksps	35.45	33.69	32.00	
289422CG	TLC2543CDW	SOIC-20	A/D, 12-bit, 5V, 10µs, 11-channel	8.35	7.95	7.55	
289431CG	TLC2543CFN	PLCC-20	A/D, 12-bit, 5V, 10µs, 11-channel	7.05	6.69	4.85	
289465CG	TLC2543CN	DIP-20	A/D, 12-bit, 5V, 10µs, 11-channel	8.35	7.95	7.55	
289473CG	TLC2543CDB	SSOP-20	A/D, 12-bit, 5V, 10µs, 11-channel	7.75	7.65	7.55	
290634CG	TLV2543CDW	SOIC-20	A/D, 12-bit, 3.3V, 10µs, 11-channel	7.99	7.79	7.55	
290669CG	TLV2543CWR	DIP-20	A/D, 12-bit, 3.3V, 10µs, 11-channel	8.35	7.95	7.55	
43764CG	7109CPL	DIP-40	A/D, 12-bit, 5V, 30sps, 1-channel	55.69	3.65	3.55	
311781CG	MCP3221A5T	SOT-23A	A/D, 12-bit, 2.7-5.5V, 22.3Ksps, 1-ch.	2.05	1.95	1.85	
287988CG	MCP3301	MSOP-8	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 1-ch	2.79	2.65	2.57	
287996CG	MCP3301	CIP-8	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 1-ch	2.59	2.49	2.40	
288008CG	MCP3302	CIP-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	3.59	3.45	3.30	
288016CG	MCP3302	CISL	SOIC-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	3.59	3.45	3.30
288024CG	MCP3302	CIST	TSSOP-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	3.85	3.65	3.52
288032CG	MCP3304	CIP-16	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 4-ch	3.95	3.79	3.65	
288041CG	MCP3304	CISL	SOIC-16	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 4-ch	3.95	3.79	3.65
277149CG	MAX110ACWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-channel	13.25	11.99	10.79	
277131CG	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-channel	11.69	9.21	8.29	
277122CG	MAX110BCWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-channel	9.15	8.72	8.29	
313797CG	TC500ACOE	SOIC-16	A/D, 17-bit, ±5V	4.55	4.51	4.46	
313787CG	TC500CPE	DIP-16	A/D, 17-bit, ±5V	1.95	1.85	1.39	
287312CG	AD6761D	DIP-28	A/D, 16-bit, 5 ±12V, 100Ksps, 1-channel	85.69	83.85	81.99	
242317CG	ADS7805	DIP-28	A/D, 16-bit, 5V, 100Ksps, 1-channel	35.99	34.99	34.52	
242325CG	ADS7813	DIP-16	A/D, 16-bit, 5V, 40Ksps, 1-channel	33.55	33.25	33.15	
239417CG	ADS7825	DIP-28	A/D, 16-bit, 5V, 40Ksps, 4-channel	45.05	42.50	41.35	
287401CG	AD976ABN	DIP-28	A/D, 16-bit, 5V, 200Ksps, 1-channel	68.05	67.05	66.05	
287435CG	AD976BR	SOIC-28	A/D, 16-bit, 5V, 100Ksps, 1-channel	54.85	53.85	52.85	
288593CG	PCM1800E	SSOP-24	A/D, 20-bit, 5V, 32-48KHz, 2-channel	4.75	4.65	4.49	
288622CG	PCM1801U	SOIC-14	A/D, 20-bit, 5V, 32-48KHz, 2-channel	4.89	4.29	4.15	
287363CG	AD7714AN	DIP-24	A/D, 24-bit, 5V, 1-2.5MHz, 6-channel	17.75	17.65	17.50	
316726CG	TC7117CPL	DIP-40	A/D, 3-1/2 digit, LCD/LED display, 5V	3.95	3.75	3.55	
287793CG	MC144110DW	SOIC-20	D/A, 6-bit, 5-15V, 3.7µs ser., 6-channel	4.05	3.95	3.90	
287822CG	MC144111DW	SOIC-16	D/A, 6-bit, 5-15V, 3.7µs ser., 4-channel	2.99	2.00	1.75	
115158CG	ADS58JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-channel	12.59	11.99	11.29	
14904CG	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.49	1.12	.83	
14947CG	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.43	1.18	.75	
14963CG	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	4.79	4.39	3.99	
128186CG	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	2.59	1.98	1.53	
290781CG	TLV5604ID	SOIC-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-channel	6.85	6.75	6.39	
290790CG	TLV5604IPW	TSSOP-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-channel	6.85	6.75	6.39	
289836CG	TLC5620CN	DIP-14	D/A, 8-bit, 5V, 1MHz, 4-channel	2.89	2.72	2.69	
289844CG	TLC5620CD	SOIC-14	D/A, 8-bit, 5V, 1MHz, 4-channel	2.75	2.64	1.98	
289861CG	TLC5628CDW	SOIC-16	D/A, 8-bit, 5V, 1MHz, 8-channel	4.75	4.29	4.15	
289879CG	TLC5628CN	DIP-16	D/A, 8-bit, 5V, 1MHz, 8-channel	4.65	4.55	4.30	
290968CG	TLC5628DW	SOIC-16	D/A, 8-bit, 3V, 1MHz, 8-channel	4.15	3.95	3.75	
290976CG	TLC5628CN	DIP-16	D/A, 8-bit, 3V, 1MHz, 8-channel	4.69	3.79	2.99	

Blue Part No. = Limited Quantity Available

A/D & D/A Converters (Continued)

				Package (see pg 34)		
Part No.	Cross Ref.	Pkg.	Description	1	10	100
289895CG	TLC7524CD	SOIC-16	D/A, 8-bit, 5-15V, 100ns	\$2.49	\$2.08	\$1.56
290052CG	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	2.75	2.39	1.95
290087CG	TLC7528CN	DIP-20	D/A, 8-bit, 5-15V, 100ns, 2-channel	2.75	2.23	1.67
290095CG	TLC7528IDW	SOIC-20	D/A, 8-bit, 5-15V, 100ns, 2-channel	2.79	2.37	1.77
287339CG	AD7628KN	DIP-20	D/A, 8-bit, 12-15V, 400ns, 2-channel	4.35	3.79	3.70
239425CG	TLC5615	DIP-8	D/A, 10-bit, 5V, 12µs, 1-channel	3.49	3.20	3.13
287380CG	AD9760AR	SOIC-28	D/A, 10-bit, 3-5V, 125Msps	8.19	6.88	5.16
287443CG	AD9832BRU	TSSOP-16	Direct digital synthesizer, 3-5V, 25MHz	7.95	7.40	5.55
287451CG	AD9850BRS	SSOP-28	Direct digital synthesizer, 3-5V, 125MHz	18.49	17.25	13.78
287347CG	AD767JN	DIP-24	D/A, 12-bit, 12-15V, 4µs, 1-channel	18.75	18.65	18.50
287355CG	AD767KN	DIP-24	D/A, 12-bit, 12-15V, 4µs, 1-channel	17.75	17.35	16.75
290802CG	TLV5610IDW	SOIC-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 8-channel	15.99	15.25	14.49
290845CG	TLV5610IPW	TSSOP-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 8-channel	16.05	15.25	14.49
290829CG	TLV5613IDW	SOIC-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 1-ch	5.09	4.99	4.75
290853CG	TLV5613IPW	TSSOP-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 1-ch	5.09	5.00	4.75
290896CG	TLV5614CD	SOIC-16	D/A, 12-bit, 2.7-5.5V, 5.5-2.0µs, 4-ch	13.35	12.95	12.59
290933CG	TLV5614CPW	TSSOP-16	D/A, 12-bit, 2.7-5.5V, 5.5-2.0µs, 4-ch	13.35	12.95	12.59
239433CG	DAC712	DIP-28	D/A, 16-bit, 12-15V, 6µs	20.05	18.93	17.96
242771CG	DAC714P	DIP-16	D/A, 16-bit, 12-15V, 10µs	31.55	30.55	29.55
243366CG	DAC715	SOIC-28	D/A, 16-bit, 12-15V, 10µs	35.75	32.50	29.55
243344CG	DAC716	DIP-16	D/A, 16-bit, 12-15V, 10µs	27.39	25.60	24.85

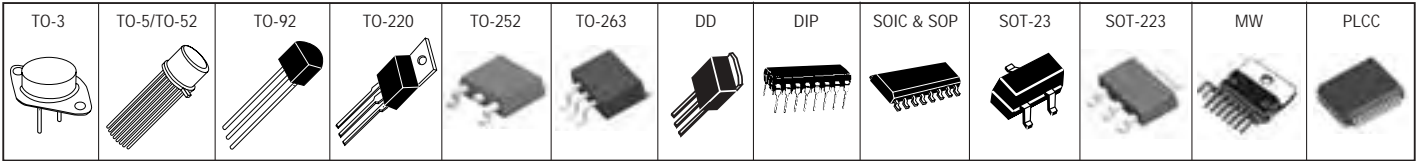
Low Drop-Out Voltage Regulators

				Package (see pg 34)		
Part No.	Mfr.	Cross Ref.	Pkg/Pins Description	1	10	100
299743CG	LM1084IT	ADJ	TO-220 5A low drop out adj. pos. volt. reg.	\$1.99	\$1.52	\$1.13
299735CG	LM1084IT	3.3	TO-220 5A low drop out 3.3V pos. volt. reg.	2.95	2.49	2.09
282781CG	LD1085D2M33	DD	3A low drop pos volt reg. adj./fixed	1.69	1.54	1.40
282757CG	LT1085CT	CT	TO-220 3A low drop pos volt reg. adj./fixed	1.34	1.21	.89
302471CG	LM1085IS	ADJ	TO-263 3A low drop out adj. pos. volt. reg.	1.29	.97	.72
302463CG	LM1085IS	3.3	TO-263 3A low drop out 3.3V pos. volt. reg.	1.20	.90	.67
302455CG	LM1085IT	ADJ	TO-220 3A low drop out adj. pos. volt. reg.	2.49	1.85	1.39
244312CG	LD1086D2M33	CT	TO-263/3 3.3V, low dropout voltage reg.	1.35	1.15	.92
245526CG	LM1086CS	ADJ	TO-263/3 1.5A low dropout positive reg.	1.99	1.51	1.13
192305CG	LM1086CT	3.3	TO-220/3 1.5A low dropout positive reg. (3.3V)	1.09	.81	.60
192313CG	LM1086CT	5.0	TO-220/3 1.5A low dropout positive reg. (5V)	1.35	1.00	.78
192292CG	LM1086CTADJ	CT	TO-220/3 1.5A low dropout positive reg.	.89	.81	.74
242042CG	LM1117DT	3.3	TO-252/3 800mA low dropout linear reg.	.78	.66	.50
242069CG	LM1117DT	5.0	TO-252/3 800mA, 5V, low dropout volt. reg.	.96	.70	.52
251782CG	LM1117MPX	ADJ	SOT-223/3 800mA low drop out linear regulator	.46	.44	.33
242114CG	LM1117T	3.3	TO-220/3 800mA, 3.3V, LDO voltage reg.	.66	.63	.57
243539CG	LM1117T	ADJ	TO-220/3 800mA, adj., LDO voltage reg.	1.27	.83	.68
314326CG	ANAAP1184KSL	CT	TO-263/5 4A ultra LDO adj. reg. (ROHS comp.)	5.29	3.69	3.29
244216CG	LT1585ACT	3.3	TO-220/3 5A, 3.3V, LDO voltage reg.	1.95	1.65	1.35
244224CG	LT1585ACT	ADJ	TO-220/3 5A, adjustable, LDO volt. reg.	2.29	1.95	1.46
244144CG	LT1587CM	DD/3	3A LDO voltage regulator	5.29	4.23	3.80
244152CG	LT1587CT	3.3	TO-220/3 3A, 3.3V, LDO voltage reg.	1.55	1.18	.89
244161CG	LM1587CT	ADJ	TO-220/3 3A LDO fast response reg.	1.79	1.38	1.05
310244CG	TL	TLV2127-33KC	TO-220/3 LDO 3.3V volt. reg. PNP	.69	.59	.47
310121CG	LM2930T	5.0	TO-220/3 3-terminal positive voltage regulator	.71	.69	.51
121030CG	LM2931AZ	5.0	TO-92 5V LDO regulator	.49	.43	.31
23368CG	LM2931CT	CT	TO-220/5 3V-24V LDO regulator	.48	.41	.308
256612CG	LM2931D	5.0	SOIC-8 5V LDO regulator	.46	.39	.29
121048CG	LM2931Z	5.0	TO-92 5V LDO regulator	.21	.19	.18
291098CG	NSC LM2937ES	25	TO-263 2.5V 500mA LDO regulator	1.79	1.36	1.02
297810CG	NSC LM2937ET	5.0	TO-220 5V 500mA LDO regulator	1.22	1.12	1.02
291101CG	NSC LM2937ET	10	TO-220 10V 500mA LDO regulator	1.69	1.28	.96
192495CG	LM2940CT	12	TO-220/3 12V LDO reg. (max. 45Vin)	.74	.68	.62
107182CG	LM2940CT	5	TO-220/3 5V LDO reg. (max. 45Vin)	1.39	1.05	.77
245657CG	LM2941CS	CT	TO-263/5 1A LDO adjustable regulator	1.65	1.39	1.05
121064CG	LM2941CT	CT	TO-220/5 1A LDO adjustable reg. (45Vin)	.99	.88	.71
693804CG	NSC LM2941CT	LB03	TO-220/5 1A LDO adjustable reg. (45Vin)	.99	.88	.71
23376CG	LM2941T	CT	TO-220/5 1A LDO adjustable reg. (60Vin)	1.19	.90	.81
121101CG	LP2950ACZ	5.0	TO-92 Low power LDO 3V low % reg.	.69	.53	.402
266781CG	LP2950CDT	5.0	TO-252/3 100mA low pwr. LDO volt. reg.	.55	.50	.415

Jameco Value Offering Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-Ro

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Low Drop-Out Voltage Regulators (Cont'd) Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
266845CG	+	LP2950CZ-3.0	TO-92	100mA low pwr. LDO volt. reg.	\$.86	\$.62	\$.47
266757CG	+	LP2950CZ-5.0	TO-92	100mA low pwr. LDO volt. reg. ....	.80	.59	.29
266669CG	NSC	LP2967BP-2533	BPA-8	Dual μ Pwr 150mA LDO reg. (2.5/3.3V) ...	2.85	2.70	2.48
266589CG	NSC	LP2967BP-2828	BPA-8	Dual μ Pwr 150mA LDO reg. (2.8/2.8V) ...	2.59	2.54	2.49
266626CG	NSC	LP2967MM-2528	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.5/2.8V) ...	2.49	2.40	2.25
266407CG	NSC	LP2967MM-2533	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.5/3.3V) ...	2.49	2.40	2.25
266597CG	NSC	LP2967MM-2626	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.6/2.6V) ...	2.49	2.39	2.27
266642CG	NSC	LP2967MM-2828	MSOP-8	Dual μ Pwr 150mA LDO reg. (2.8/2.8V) ...	2.49	2.40	2.25
266706CG	NSC	LP2986ILD-3.0	LLP-8	μ Pwr, 200mA ultra LDO fixed volt. reg. ...	1.85	1.75	1.62
266722CG	NSC	LP2987ILD-5.0	LLP-8	Same as above w/ prog. pwr-on reset delay	1.85	1.75	1.62
192524CG	+	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.69	1.28	.95
251344CG	TI	TP76201DBVR	SOT-23/5	100mA LP low output adj. LDO linear reg. ..	1.29	1.16	1.04
700461CG	TI	TPS78601DCQ	SOT-223	Ultralow-noise, fast, RF, 1.5A LDO linear reg. ..	2.69	2.62	2.54
700470CG	TI	TPS78601KTTT	SOT-223	Ultralow-noise, fast, RF, 1.5A LDO linear reg. ..	3.19	3.10	3.01
700488CG	TI	TPS78625DCQ	SOT-223	Ultralow-noise, high-PSRR, 1.5A LDO linear reg. ..	2.69	2.62	2.54
700496CG	TI	TPS78625KTTT	SOT-223	Ultralow-noise, high-PSRR, 1.5A LDO linear reg. ..	3.19	3.10	3.01
700509CG	TI	TPS78633DCQ	SOT-223	Ultralow-noise, high-PSRR, 1.5A LDO linear reg. ..	2.69	2.62	2.54
700517CG	TI	TPS79201DBVT	SOT-23	Ultralow-noise, high-PSRR, 100mA LDO linear reg. ...	.79	.77	.75
700525CG	TI	TPS79318DBVR	SOT-23	Ultralow-noise, high-PSRR, 200mA LDO linear reg. ...	.45	.437	.424
700533CG	TI	TPS79501DCQ	SOT-223	Ultralow-noise, high-PSRR, 500mA LDO linear reg. ..	2.09	2.03	1.98
700541CG	TI	TPS79518DCQ	SOT-223	Ultralow-noise, high-PSRR, 500mA LDO linear reg. ..	2.09	2.03	1.98
700550CG	TI	TPS79525DCQ	SOT-223	Ultralow-noise, high-PSRR, 500mA LDO linear reg. ..	2.09	2.03	1.98
700568CG	TI	TPS79533DCQ	SOT-223	Ultralow-noise, high-PSRR, 500mA LDO linear reg. ..	2.09	2.03	1.98
700576CG	TI	TPS79601DCQ	SOT-223	Ultralow-noise, high-PSRR, 1A LDO linear reg. ..	2.19	2.13	2.07
700584CG	TI	TPS79601KTTT	SOT-223	Ultralow-noise, high-PSRR, 1A LDO linear reg. ..	2.59	25.52	2.45
700592CG	TI	TPS79633DCQ	SOT-223	Ultralow-noise, high-PSRR, 1A LDO linear reg. ..	2.19	2.13	2.07

+ Jameco Value Offering

Voltage Regulators

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
282618CG	+	LM117H	TO-39	3-terminal adjustable regulator	\$5.15	\$4.65	\$4.20
282036CG	+	LM140LAH-5.0	TO-39	3-terminal positive regulator	4.59	3.68	2.76
302375CG	+	LM217T	TO-220	1.2 - 37V adj. positive voltage reg. ....	.56	.52	.47
23499CG	+	LM309K	TO-3/2	5V 1A regulator (0°C to +125°C)	4.99	3.85	2.98
192268CG	+	LM317AT	TO-220/3	3-terminal adjustable reg. (1.2V-37V) ..	1.75	1.25	.95
192276CG	+	LM317HVT	TO-220/3	3-terminal adjustable reg. (1.2V-57V) ..	1.99	1.77	1.31
23544CG	+	LM317K	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	1.75	1.59	1.47
193551CG	+	LM317LM	SOIC-8	100mA adj. pos. regulator (1.2V to 37V) ..	.21	.19	.17
23552CG	+	LM317LZ	TO-92	100mA adj. pos. reg. (1.2V-37V) .....	.23	.22	.20
23579CG	+	LM317T	TO-220/3	1.5A adj. pos. reg. (1.2V-37V) .....	.45	.39	.34
23667CG	+	LM323K	TO-3/2	5V 3A positive regulator	2.89	2.75	2.29
23798CG	+	LM337K	TO-3/2	1.5A/3 term. adj. neg. reg.	4.69	3.62	2.71
193586CG	+	LM337LM	SOIC-8	1.5A adj. neg. regulator (-1.2V to -37V) ..	.45	.41	.38
296841CG	+	LM337LZ	TO-92	3-terminal adj. neg. voltage reg. ....	.67	.57	.43
23819CG	+	LM337T	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V) .....	.59	.55	.44
23835CG	+	LM338K	TO-3/2	5A adj. pos. reg. (1.2V-32V)	5.69	4.47	3.74
192284CG	+	LM338T	TO-220/3	5A adjustable regulator	1.99	1.49	.99
23931CG	+	LM350K	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V) ...	4.75	4.25	3.19
23940CG	+	LM350T	TO-220/3	3 amp. adj. power regulator	1.09	.89	.69
239134CG	+	LM431ACM	SOIC-8	Programmable shunt regulator .....	.23	.22	.165
278248CG	+	TL431AILP	TO-92	Adjustable precision shunt regulator ....	.41	.34	.252
239142CG	+	LM431BCM	SOIC-8	Programmable shunt regulator .....	.20	.18	.16

+ Jameco Value Offering *10 pcs. / **20 pcs. included in Linear kit, pg 39

+ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Voltage Regulators (Continued)

Package (see above)

* Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
251862CG	+	LM431CIM	SOIC-8	Adj. precision zener shunt regulator ..	\$.37	\$.32	\$.28
276525CG	MAX	MAX637ACPA	DIP-8	Preset/Adj. output CMOS invert switching reg ..	5.49	4.98	4.47
276517CG	MAX	MAX637ACSA	SOIC-8	Preset/Adj. output CMOS invert switching reg ..	5.65	4.50	3.60
214050CG	+	LM723CD	SOIC-14	High precision voltage regulator	* .156	.14	
24467CG	+	LM723CN	*DIP-14	Voltage regulator (2V-37V) .....	.26	.24	.23
301719CG	+	LM723H	TO-5	2V - 37V, 150mA adj. voltage reg.	3.35	2.57	1.92
298071CG	+	MAX755CSA	SOIC-8	-5V/adj. neg. output, invert, curr. mode PWM reg. ..	3.55	3.35	3.20
302279CG	NSC	LM2524DN	DIP-16	200mA regulating PWM	1.14	1.04	.77
192330CG	NSC	LM2574HM-5.0	DIP-8	Simple switcher 0.5A step down volt. reg. ...	3.05	2.74	2.49
192348CG	NSC	LM2574HM-12	DIP-8	Simple switcher 0.5A step down volt. reg. ...	2.09	1.90	1.73
245551CG	NSC	LM2574N-ADJ	DIP-8	Simple switcher 0.5A step down volt. reg. ...	2.05	1.55	1.15
156566CG	NSC	LM2574N-5.0	DIP-8	Step-down 5-voltage regulator	1.49	1.15	.98
279638CG	NSC	LM2575HVT-5.0	TO-220	Switcher 1A step down V-reg, high Vin range ..	3.95	3.74	3.52
693177CG	NSC	LM2575HVT-5.0	TO-220/5	Switcher 1A step down V-reg, high Vin range ..	3.95	3.35	3.15
279603CG	NSC	LM2575HVT-12	TO-220	Switcher 1A step down V-reg, high Vin range ..	3.95	3.55	3.28
192399CG	+	LM2576HVT-5.0	TO-220/5	Switcher 3A step down V-reg, high Vin range ..	4.89	4.38	4.00
192381CG	NSC	LM2576HVT-5.0	TO-220/5	Switcher 3A step down V-reg, high Vin range ..	3.95	3.75	3.60
192372CG	NSC	LM2576HVT-ADJ	TO-220/5	Switcher 3A step down V-reg, high Vin range ..	5.09	3.93	2.95
245569CG	NSC	LM2576T-5.0	TO-220/5	Simple switcher 3A step down volt. reg.	2.05	1.87	1.40
120977CG	NSC	LM2576T-ADJ	TO-220/5	Simple switcher 3A step down volt. reg.	1.69	1.37	1.05
300821CG	NSC	LM2586S-ADJ	TO-263	Simple switcher 3A flyback reg. w/ shutdown ..	5.45	5.15	5.06
300871CG	NSC	LM2586S-5.0	TO-263	Simple switcher 3A flyback reg. w/ shutdown ..	5.45	5.15	5.06
300898CG	NSC	LM2586S-12	TO-263	Simple switcher 3A flyback reg. w/ shutdown ..	5.45	5.15	5.06
300919CG	NSC	LM2586T-ADJ	TO-220	Simple switcher 3A flyback reg. w/ shutdown ..	5.45	5.15	5.06
300804CG	NSC	LM2588S-ADJ	TO-263	Simple switcher 5A flyback reg. w/ shutdown ..	7.45	6.20	5.55
300847CG	NSC	LM2588T-ADJ	TO-220	Simple switcher 5A flyback reg. w/ shutdown ..	7.45	7.25	7.05
300759CG	NSC	LM2592HVS-ADJ	TO-263	Simple switcher 2A step down voltage reg.	5.05	4.59	4.33
300783CG	NSC	LM2592HVS-5.0	TO-263	Simple switcher 2A step down voltage reg.	5.05	4.59	4.33
300724CG	NSC	LM2592HVT-ADJ	TO-220	Simple switcher 2A step down voltage reg.	5.05	4.25	3.58
300732CG	NSC	LM2592HVT-3.3	TO-220	Simple switcher 2A step down voltage reg.	5.05	4.60	4.33
300716CG	NSC	LM2594M-3.3	SOIC-8	Simple switcher 2A step down voltage reg.	2.55	2.35	2.25
192428CG	NSC	LM2594N-ADJ	DIP-8	Simple switcher pwr. conv. 150kHz 0.5A	2.39	2.18	1.98
300695CG	NSC	LM2594N-3.3	DIP-8	Simple switcher 0.5A step down voltage reg. ..	2.55	2.29	2.17
300265CG	NSC	LM2595S-ADJ	TO-263	Simple switcher 1A step down volt. reg.	3.19	2.45	2.39
300273CG	NSC	LM2595S-12	TO-263	Simple switcher 1A step down voltage reg.	3.19	2.89	2.74
300775CG	NSC	LM2595T-ADJ	TO-220	Simple switcher 1A step down voltage reg.	3.19	2.46	1.84
192452CG	NSC	LM2595T-5.0	TO-220/5	Simple switcher pwr. conv. 150kHz 1A	1.95	1.85	1.39
310391CG	NSC	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	3.59	2.90	2.75
290626CG	NSC	LM2596T-ADJ	TO-220/7	Simple switcher 3A step-down voltage reg.	3.55	2.75	2.12
290642CG	NSC	LM2596T-5.0	TO-220/7	Simple switcher 3A step-down voltage reg.	3.55	3.25	3.09
290597CG	NSC	LM2599T-ADJ	TO-220/7	Simple switcher 3A st-dn volt. reg. w/ flags ..	4.69	3.58	3.22
290749CG	NSC	LM261MTC-3.0	TSSOP-16	1.5A high eff. synch. switching reg.	3.15	2.99	2.85
290757CG	NSC	LM2670S-5.0	TO-263/7	5V high eff. simple switcher	4.29	3.55	3.35
312397CG	NSC	LM2636MTC	TSSOP-20	5-bit prog. synchronous buck reg.	3.45	2.65	2.58
312389CG	NSC	LM2638MTC	TSSOP-16	1.5A high eff. synch. switching reg.	4.19	3.25	3.12
290765CG	NSC	LM2672N-5.0	DIP-8	5V high eff. simple switcher, 1A load	3.45	3.15	2.96
290888CG	NSC	LM2674M-ADJ	SOIC-8	Adj. voltage hi efficiency switcher	2.85	2.35	2.20
290861CG	NSC	LM2674N-5.0	DIP-8	5V high eff. simple switcher, 500mA load ..	2.85	2.35	2.20
291012CG	NSC	LM2675N-ADJ	DIP-8	Simple switcher 1A step down volt. reg. pwr cvtr	3.35	2.99	2.85
291039CG	NSC	LM2678S-ADJ	TO-263/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
291047CG	NSC	LM2678T-5.0	TO-220/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05

+ Jameco Value Offering *10 pcs. included in Linear kit, pg 39 + Blue P/N = Limited Quantity Available

Thousands of new ICs are in the pipeline for addition and not shown below.

Call us to see if you can save 10-20%.

Voltage Regulators (Continued)

					Package (see pg 36)		
					* Minimum order 10 pieces		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
290651CG	NSC	LM2596S-ADJ	TO-263	Simple switcher 3A step down volt. reg.	\$3.55	\$2.74	\$2.06
290394CG	NSC	LM2596S-ADJ	TO-263/7	Simple switcher 3A step down volt. reg.	4.65	3.85	3.64
245649CG	NSC	LM2936MP-3.3	SOT-223	Ultra-low quiescent current 3.3V reg.	2.19	2.06	1.93
107166CG	NSC	LM2936Z-5	TO-92	Ultra-low quiescent current 5V reg.	1.85	1.68	1.18
239151CG	NSC	LP2951CM	SOIC-8	Adj. micropower volt. reg.	.35	.32	.29
277077CG	NSC	LP2952IM	SOIC-16	Adj. micropower low pwr. volt. reg.	1.99	1.49	1.43
51246CG	+	7805K	TO-3/2	5V 1A pos. voltage reg. (LM340K-5)	5.15	3.95	2.95
51262CG	+	7805T	TO-220/3	5V 1A pos. voltage reg. (LM340T-5)	.35	.32	.28
51182CG	+	78L5CZ	TO-92	5V 100mA pos. voltage regulator	.27	.24	.22
193754CG	+	78L05ACM	SOIC-8	5V 100mA pos. voltage regulator	.22	.21	.19
192233CG	+	78M05	TO-220/3	5V 500mA pos. voltage regulator	.22	.19	.17
51297CG	+	7806T	TO-220/3	6V 1A pos. voltage reg. (LM340T-6)	.30	.25	.187
193762CG	+	78L06ACM	SOIC-8	6.2V 100mA pos. volt. reg.	*	.122	.11
51300CG	+	7808CT	TO-220/3	8V 1A pos. voltage reg. (LM340T-8)	.46	.35	.27
192225CG	+	78L09ACZ	TO-92	9V 100mA pos. voltage regulator	.24	.23	.17
51318CG	+	7812K	TO-3/2	12V 1A pos. voltage reg. (LM340K-12)	2.19	1.79	1.59
51334CG	+	7812T	TO-220/3	12V 1A pos. voltage reg. (LM340T-12)	.35	.32	.28
51203CG	+	78L12CZ	TO-92	12V 100mA pos. voltage regulator	*	.17	.14
193771CG	+	78L12ACM	SOIC-8	12V 100mA pos. voltage regulator	*	.22	.165
192241CG	+	78M12CT	TO-220/3	12V 500mA pos. voltage regulator	.22	.20	.18
51369CG	+	7815K	TO-3/2	15V 1A pos. voltage reg. (LM340K-15)	1.19	1.12	1.03
51377CG	+	7815T	TO-220/3	15V 1A pos. voltage reg. (LM340T-15)	.28	.25	.22
193789CG	+	78L15ACM	SOIC-8	15V 100mA pos. voltage regulator	*	.12	.11
192250CG	+	78M15CT	TO-220/3	15V 500mA pos. voltage regulator	.32	.27	.21
194634CG	+	7818T	TO-220/3	18V 1A pos. voltage reg. (LM340T-18)	.45	.35	.26
51414CG	+	7824T	TO-220/3	24V 1A pos. voltage reg. (LM340T-24)	.36	.34	.31
51238CG	+	78S40CN	DIP-16	1.25V-40V 1.5A switching regulator	1.35	1.08	.87
51457CG	+	7905T	TO-220/3	-5V 1A neg. voltage reg. (LM320T-5)	.42	.38	.36
51422CG	+	79L05ACP	TO-92	-5V 100mA neg. voltage regulator	.25	.22	.165
193797CG	+	79L05ACM	SOIC-8	-5V 100mA neg. voltage regulator	.36	.31	.294
51449CG	+	79M05CT	TO-220/3	3-terminal negative regulator	.38	.33	.24
51481CG	+	7912CT	TO-220/3	-12V 1A neg. voltage reg. (LM320T-12)	.31	.27	.21
51431CG	+	79L12CZ	TO-92	-12V 100mA neg. voltage regulator	.23	.21	.16
51502CG	+	7915CT	TO-220/3	-15V 1A neg. voltage reg. (LM320T-15)	.32	.27	.22
194749CG	+	79L15ACZ	TO-92	-15V 100mA neg. voltage regulator	.41	.33	.25
193818CG	+	79L15ACM	SOIC-8	-15V 100mA neg. voltage regulator	*	.13	.12
316881CG	+	MC34063AD	SOIC-8	1.5A Step-up/down inverting switch reg.	.52	.432	.32
316945CG	+	MC34063AP1	DIP-8	1.5A Step-up/down inverting switch reg.	.66	.473	.437

+

Jameco Value Offering

* 10 pieces included in Linear kit, pg 39

** 20 pieces included in Linear kit, pg 39

Ⓢ Blue Part No.

= Limited Quantity Available

Audio

					Package (see pg 36)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277624CG	+	INA103KP	DIP-16	Low noise/distortion instr. amp.	\$9.35	\$8.95	\$8.62
277632CG	+	INA103KU	SOIC-16	Low noise/distortion instr. amp.	7.95	7.45	6.91
278408CG	+	TPA112D	SOIC-8	150mW stereo aud. pwr amp, diff in.	.81	.69	.52
310560CG	+	TPA122D	SOIC-8	150mW stereo aud. pwr amp, sgl in/ch.	83.70	.68	.61
243678CG	ADI	OP275GP	DIP-8	Dual JFET audio op amp.	1.75	1.61	1.47
243660CG	ADI	OP275GS	SOIC-8	Dual JFET audio op amp	.98	.89	.81
24037CG	NSC	LM380N	DIP-14	2-watt audio power amp.	.94	.87	.63
24088CG	NSC	LM383T	TO-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096CG	NSC	LM384N	DIP-14	5-watt audio amp.	1.22	.91	.69
193623CG	+	LM386M-1	SOIC-8	Low volt. audio power amp. 250mW/12V	.26	.24	.22
24125CG	+	LM386N-1	DIP-8	Low voltage audio amp. 250mW/6V	.48	.35	.29
24133CG	+	LM386N-3	DIP-8	Low voltage audio amp. 500mW/9V	.69	.59	.49
24483CG	NSC	LM725CN	DIP-8	Instrumentation op amplifier	2.19	1.68	1.26
279697CG	NSC	LM833D	SOIC-8	Dual audio op amp.	.28	.26	.23
120942CG	NSC	LM833N	DIP-8	Dual audio op amp.	.37	.34	.31
295718CG	NSC	LM1203N	DIP-28	RGB video amp	4.55	4.09	3.69
24942CG	ON	MC1350P	DIP-8	Video IF amp (12V operation)	1.95	1.85	1.75
23270CG	NSC	LM1875T	TO-220/5	20-watt power audio amplifier	1.95	1.91	1.64
355477CG	NSC	LM1875TSL	TO-220/5	20-watt audio power amplifier	1.12	1.03	1.02

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Jameco Value Offering

* 10 pcs. included in Linear kit, pg 39

Ⓢ Blue P/N = Limited Quantity

Audio (Continued)

					Package (see pg 36)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23288CG	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	\$1.05	\$.89	\$.67
245542CG	NSC	LM1881M	SOIC-8	Video synchronous separator	1.95	1.75	1.55
107140CG	NSC	LM1881N	DIP-8	Video synchronous separator	2.69	2.05	1.53
243547CG	NSC	LM1894N	DIP-14	DNR noise reduction	2.69	2.48	1.86
302447CG	NSC	LM1972M	SOIC-20	2-channel audio attenuator	3.45	3.05	2.89
32897CG	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	3.75	3.35	3.00
315344CG	ST	TDA2040V	PWAT-5	20W hi-fi audio power amp.	2.45	2.25	2.14
275830CG	ADI	OPA2134PA	DIP-8	High-performance audio op amp.	2.39	1.93	1.67
275821CG	ADI	OPA2134UA	SOIC-8	High-performance audio op amp.	2.25	2.02	1.82
312063CG	+	SSM2141P	DIP-8	High common-mode rejection diff. line rec	3.19	2.79	2.69
252013CG	NSC	LM3875T	TO-220/11	56W high perf. audio power amp.	5.19	4.11	3.70
126834CG	NSC	LM3876T	TO-220/11	40W high perf. audio amp w/mute	3.75	3.41	3.10
320670CG	NSC	LM3886TF	TO-220/11	68W high perf. audio amp, isol. pkg.	5.59	4.45	4.09
192516CG	NSC	LM3886T	TO-220/11	68W high perf. audio amp.	4.35	3.32	2.49
302201CG	NSC	LM4752T	TO-220	Stereo 11W audio power amp.	2.15	1.60	1.20
302199CG	NSC	LM4860M	SOIC-16	1W audio power amp w/ shutdown mode	1.29	.97	.72
267047CG	NSC	LM4864M	SOIC-8	725mW audio pwr amp w/ shutdown mode	1.31	.97	.71
302181CG	NSC	LM4871M	SOIC-8	3W audio power amp w/ shutdown mode	1.05	.78	.57
316873CG	MOT	MC34119D	SOIC-8	LP audio amp (500mW, 16VDC)	.56	.50	.37
316865CG	MOT	MC34119P	DIP-8	LP audio amp (500mW, 16VDC)	1.02	.66	.61

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Jameco Value Offering

Comparators

					Package (see pg 36)		
					* Minimum order 10 pieces		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311052CG	NSC	LM111H	TO-5/8	Voltage comparator	\$3.39	\$2.60	\$1.95
311044CG	NSC	LM111J-8	DIP-8	Voltage comparator	5.89	4.71	3.53
282061CG	+	LM139D	SOP-14	Low pwr, low offset volt quad comp.	.80	.68	.58
282087CG	+	LM139J	CDIP-14	Low pwr, low offset volt quad comp.	3.25	2.90	2.60
302501CG	NSC	LM193H	TO-5	Dual low-power comparator	4.45	3.43	2.57
302391CG	+	LM211D	SOIC-8	Hi-speed, strobed diff. comparator	.35	.29	.21
302383CG	+	LM211P	DIP-8	Hi-speed, strobed diff. comparator	.21	.18	.13
302367CG	+	LM219D	SOIC-14	Dual high speed voltage comparator	.80	.75	.56
302287CG	+	LM239D	SOIC-14	Low power low offset volt quad comp	.28	.24	.18
212126CG	+	LM239N	DIP-14	Low power low offset volt quad comp	*	.14	.13
213188CG	+	LM306N	DIP-8	Differential comparator w/ strobes	.59	.48	.43
193543CG	+	LM311D	SOIC-8	Voltage comparator	*	.16	.15
23528CG	+	LM311N	DIP-8	Voltage comparator	.35	.25	.19
251918CG	+	LP311D	SOIC-8	Voltage comparator	.76	.65	.48
245690CG	+	LM319M	SOIC-14	High speed dual comparator	.37	.32	.24
23632CG	+	LM319N	DIP-14	High speed dual comparator	.31	.264	.197
246537CG	+	LM339AM	SOIC-14	Low power low offset volt quad comp	.65	.39	.293
143888CG	+	LM339AN	DIP-14	Low power quad comparator	.29	.23	.193
193594CG	+	LM339M	SOIC-14	Low power low offset volt quad comp	.27	.23	.17
23851CG	+	LM339N	DIP-14	Quad comparator	*	.19	.165
251977CG	+	LP339M	SOIC-14	Ultra-low power quad comparator	.81	.68	.50
312047CG	TI	TLC372CD	SOIC-8	LinCMOS dual differential comp	.69	.59	.44
312055CG	TI	TLC372CP	DIP-8	LinCMOS dual differential comp	.65	.62	.46
314712CG	+	TLC374CD	SOP-14	LinCMOS quad differential comp	.85	.71	.62
314704CG	+	TLC374CN	DIP-14	LinCMOS quad differential comp	.76	.64	.48
310404CG	+	TS374IN	DIP-14	Quad low power CMOS volt comp	.93	.80	.72
246633CG	+	LM392M	SOIC-8	Low power op amp/volt comp	.93	.80	.68
126090CG	+	LM392N	DIP-8	Low power op amp/volt comp	1.18	1.06	.79
246641CG	+	LM393AM	SOIC-8	Low pwr low offset volt dual comp	.41	.33	.245
212177CG	+	LM393AN	DIP-8	Low pwr low offset volt dual comp	*	.175	.135
193631CG	+	LM393D	SOIC-8	Low pwr offset voltage dual comp	*	.13	.12
24281CG	+	LM393N	DIP-8	Dual comparator	.20	.18	.17
277093CG	+	LMV393M	SOIC-8	Low volt general purpose dual comp	.72	.53	.46
315328CG	+	TL712CD	SOIC-8	Differential comparator	1.25	1.06	.79
214041CG	TI	TL712CP	DIP-8	Differential comparator	4.00	.52	.42
278256CG	TI	TL714CP	DIP-8	High speed differential comparator	2.55	2.49	2.15
277173CG	NSC	LMC7211AM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.35	1.20	.89
277190CG	NSC	LMC7211BM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.25	1.05	.85
277114CG	NSC	LMC7221AM	SOIC-8	Comp w/ rail-to-rail input, open drain output	1.29	1.19	1.08

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Jameco Value Offering

* 10 pieces included in Linear kit, pg 39


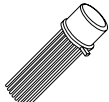
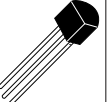
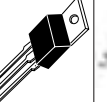

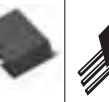
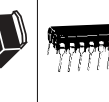
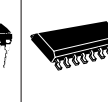
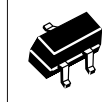




** 20 pieces included in Linear kit, pg 39

Ⓢ RoHS compliant product

Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering 

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Comparators (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
297844CG	+	MAX902CSD	SOIC-14	Hi-speed low pwr precision volt comp	\$8.49	\$7.63	\$6.87
291143CG	LTC	LT1016CN-8	DIP-8	Fast precision comparator 10ns	4.55	3.55	2.65
312266CG	LTC	LT1016CS8	SOIC-8	Ultra-fast precision 10ns comparator	4.89	3.55	2.76
310279CG	TI	TLV2352ID	SOIC-8	LinCMOS dual low volt diff comp	1.69	1.55	1.49
280006CG	TI	TLV2354IN	DIP-14	LinCMOS quad low volt diff comp	2.55	2.45	2.31
245577CG	+	LM2901M	SOIC-14	Low pwr low offset volt quad comp	.20	1.18	.14
23296CG	+	LM2901N	DIP-14	Quad comparator	*	.13	.12
245614CG	+	LM2903M	SOIC-14	Low power low offset volt dual comp	.25	.21	.16
23309CG	+	LM2903N	DIP-8	Low power low offset volt dual comp	.31	.27	.203
311036CG	TI	TL3016CD	SOIC-8	Ultra-fast low pwr precision comp	1.85	1.47	1.10
278213CG	TI	TL3016ID	SOIC-8	Ultra-fast low pwr precision comp	2.09	1.95	1.83
278230CG	TI	TL3116CD	SOP-8	Ultra-fast low pwr precision comp	1.85	1.60	1.50
278221CG	TI	TL3116ID	SOP-8	Ultra-fast low pwr precision comp	1.85	1.75	1.62
245711CG	+	LM3302D	SOIC-14	Low pwr low offset volt quad comp	.43	.37	.33
107238CG	+	LM3302N	DIP-14	Low pwr low offset volt quad comp	.33	.28	.21
309964CG	+	TLC3704CD	SOIC-14	LinCMOS Quad micro volt comp	.84	.71	.53
280137CG	+	TLC3704CN	DIP-14	Quad uPwr LinCMOS volt comp	1.00	.90	.84
277202CG	NSC	LMC6772AIM	SOIC-8	Dual uPwr rail-to-rail input w/ open drain output	2.35	1.81	1.35

♦ Jameco Value Offering

Buffers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23051CG	+	LH0002CN	DIP-10	General purpose buffer	\$12.25	\$10.25	\$7.95
277552CG	TI	BUF634P	DIP-8	250mA high speed buffer	5.75	5.25	5.05
277544CG	TI	BUF634T	TO-220	250mA high speed buffer	7.85	7.60	6.35
277579CG	TI	BUF634U	SOIC-8	250mA high speed buffer	5.45	5.15	4.79
300249CG	LTC	LT1010CN8	DIP-8	150mA high speed buffer	3.65	2.45	2.13

♦ Jameco Value Offering  Blue Part No. = Limited Quantity Available

Op Amps

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
27852CG	+	OP07CP	DIP-8	Ultra-low offset voltage op amp	\$.61	\$.59	\$.56
252988CG	+	OP07DP	DIP-8	Very low offset single bipolar op amp	.62	.52	.39
23106CG	+	LM10CLN	DIP-8	Low voltage (1.1 volt) op amp	1.69	1.57	1.42
120715CG	+	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
120723CG	NSC	LM12CLK	TO-3/4	80W op amp	17.05	16.10	15.30
213090CG	+	TL022CP	DIP-14	Dual low power op amp	.58	.53	.48
252996CG	+	OP27EZ	CDIP-8	Low noise hi spd prec op amp	12.25	11.50	11.05
115300CG	+	OP27EP	DIP-8	Low noise precision op amp	4.39	3.57	2.67
115318CG	+	OP27GP	DIP-8	Low noise prec op amp (-40° to 80°C)	1.89	1.54	1.15
275805CG	TI	OPA27GP	DIP-8	Ultra-low noise precision op amp	2.05	1.95	1.79
275784CG	TI	OPA27GU	SOIC-8	Ultra-low noise precision op amp	2.05	1.95	1.01
253032CG	+	TL031CD	SOIC-8	Enhanced JFET low pwr/offset op amp	.52	.49	.47
213102CG	+	TL031CP	DIP-8	Enhanced JFET low pwr/offset op amp	.79	.70	.53
279671CG	+	TL032ACP	DIP-8	Enhanced JFET low pwr/offset op amp	1.85	1.67	1.51
253059CG	+	TL032CD	SOIC-8	Enhanced JFET low pwr/offset op amp	\$.67	.62	.50
213111CG	+	TL032CP	DIP-8	Enhanced JFET low pwr/offset op amp	.69	.63	.57
253235CG	+	TL034CD	SOIC-14	Enhanced JFET low pwr/offset op amp	1.04	.91	.83
214068CG	+	TL034CN	DIP-14	Enhanced low pwr/offset op amp	1.05	.89	.82
275768CG	+	OPA37GP	DIP-8	Ultra-low noise precision op amp	2.45	2.19	1.97
275750CG	+	OPA37GU	SOIC-8	Ultra-low noise precision op amp	2.15	2.05	1.97
213129CG	+	TL052ACP	DIP-8	Enh. JFET low offset op amp	3.59	3.26	2.93

♦ Jameco Value Offering  Blue Part No. = Limited Quantity Available

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
309981CG	+	TL052CD	SOIC-8	Dual Enhanced JFET prec op amp	\$1.27	\$1.08	\$.81
253243CG	+	TL054ACD	SOIC-14	Enhanced JFET low offset op amp	6.25	5.61	4.35
213153CG	+	TL054ACN	DIP-14	Enhanced JFET low offset op amp	4.25	3.99	2.79
242106CG	+	TL061IP	DIP-8	Low power JFET op amp	.63	.54	.48
252283CG	+	TL062ACD	SOIC-8	Low power JFET input op amp	.59	.50	.38
33161CG	+	TL062CP	DIP-8	Low power JFET op amp (high slew)	.27	.25	.22
253139CG	+	TL064BCN	DIP-14	Low power JFET input op amp	.69	.59	.44
33179CG	+	TL064CN	DIP-14	Low power JFET input op amp	\$.53	.44	.37
213081CG	+	TL071ACP	DIP-8	Low noise JFET input op amp	.59	.44	.33
33187CG	+	TL071CP	DIP-8	Low noise JFET op amp	.33	.31	.232
278264CG	+	TL071CD	SOIC-8	Wide-band, high-output drive op amp	.99	.90	.68
278272CG	+	TL071IP	DIP-8	Wide-band, high-output drive op amp	.99	.89	.76
213073CG	+	TL072ACP	DIP-8	Low noise JFET input op amp	.56	.43	.31
253147CG	+	TL072BCP	DIP-8	Low noise JFET input op amp	.65	.55	.41
193501CG	+	TL072CD	SOIC-8	Low noise JFET dual op amp	.26	.22	.18
33195CG	+	TL072CP	DIP-8	Low noise JFET dual op amp	.26	.25	.24
278299CG	+	TL072CD	SOIC-8	Wide-band, high-output drive op amp	1.25	1.10	1.05
278281CG	+	TLC072CP	DIP-8	Wide-band, high-output drive op amp	1.11	.90	.67
213065CG	+	TL074BCN	DIP-14	Low noise JFET input op amp	.41	.34	.29
33216CG	+	TL074CN	* DIP-14	Low noise JFET quad op amp	.48	.43	.345
278328CG	+	TL074CN	DIP-14	Wide-band, high-output drive	1.85	1.51	1.43
278352CG	+	TLC080AIP	DIP-8	Wide-band, high-output drive, impr. offset	1.08	.90	.82
278344CG	+	TLC080IP	DIP-8	Wide-band, high-output drive	1.08	.95	.82
213057CG	+	TL081ACP	DIP-8	JFET input op amp, low offset w/ control	.46	.42	.31
253155CG	+	TL081CD	SOIC-8	JFET input op amp	.33	.28	.21
33232CG	+	TL081CP	DIP-8	JFET input op amp., offset control	.31	.30	.23
278276CG	+	TL082ACP	DIP-8	JFET input op amp., low offset	.34	.32	.29
253198CG	+	TL082BCP	DIP-8	JFET input op amp., lowest offset	.62	.46	.37
193527CG	+	TL082CD	SOIC-8	JFET input dual op amp	*	.111	.10
33241CG	+	TL082CP	* DIP-8	JFET input dual op amp	.53	.40	.30
214084CG	+	TL084ACN	DIP-14	JFET input op amp	.34	.32	.27
253219CG	+	TL084BCD	SOIC-14	JFET input op amp	.45	.43	.42
193535CG	+	TL084CD	SOIC-14	JFET input quad op amp	.30	.29	.25
33267CG	+	TL084CN	* DIP-14	JFET input quad op amp	.43	.40	.37
282626CG	+	LM124D	SOIC-14	Low power quad op amp. mil temp	.69	.55	.49
126818CG	+	LM124J	CDIP-14	Low power quad op amp. mil temp	1.55	1.38	1.26
276488CG	TI	OPA124U	SOIC-8	Low noise prec. DiFET op amp	7.49	7.15	6.85
276496CG	TI	OPA124UA	SOIC-8	Low noise prec. DiFET op amp, low offset	8.95	8.55	8.15
275856CG	TI	OPA130UA	SOIC-8	Low power precision FET input	2.65	2.55	2.42
243686CG	+	OPA137PA	DIP-8	FET op amp	1.39	1.31	1.25
243694CG	+	OPA137UA	SOIC-8	FET input op amp	1.29	1.20	1.14
302480CG	+	LM158H	TO-5	Low power dual op amp	4.19	3.22	2.41
302412CG	+	LM201AD	SOIC-8	Op amp. industrial temp	.45	.42	.31
302404CG	+	LM201AN	DIP-8	Op amp. industrial temp	.58	.49	.368
302341CG	+	LM224D	SOIC-14	Low power quad industrial temp	.25	.23	.17
302359CG	+	LM224J	CDIP-14	Low power quad industrial temp	3.65	3.35	3.00
212118CG	+	LM224N	DIP-14	Low power quad industrial temp	.21	.19	.14
275813CG	TI	OPA234UA	SOIC-8	Low pwr precision single supply	2.15	1.92	1.73
315230CG	+	TLC252BCD	SOIC-8	LinCMOS dual op amp	\$.85	1.11	1.00
315221CG	+	TLC252BCP	DIP-8	LinCMOS dual op amp	2.19	2.16	2.14
302261CG	+	LM258D	SOIC-8	Low pwr dual op amp industrial temp	.26	.22	.165
212142CG	+	LM258N	DIP-8	Low pwr dual op amp industrial temp	.35	.32	.24

♦ Jameco Value Offering * 10 pcs. included in Linear kit, pg 39

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Op Amps (Continued)

					Package (see pg 38)		
					* Minimum order 10 pieces		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
279742CG	TI	TLC271CD	SOIC-8	LinCMOS prog low pwr op amp	\$.75	\$.58	\$.43
279734CG	TI	TLC271CP	DIP-8	LinCMOS prog low pwr op amp	.55	.50	.45
279806CG	+	TLC272CD	SOIC-8	LinCMOS prec. dual op amp	.60	.52	.39
143917CG	+	TLC272CP	DIP-8	LinCMOS prec. dual op amp	.72	.55	.46
280233CG	TI	TLC272CD	SOIC-8	LinCMOS prec. dual op amp, high gain	.59	.44	.38
280225CG	TI	TLC272CP	DIP-8	LinCMOS prec. dual op amp, high gain	.53	.49	.36
280188CG	TI	TLC27M2CD	SOIC-8	LinCMOS prec. dual op amp, med. gain	.53	.45	.38
280170CG	TI	TLC27M2CP	DIP-8	LinCMOS prec. dual op amp, med. gain	.53	.44	.38
242000CG	+	TLC274ACN	DIP-14	Quad precision op amp, low offset	.71	.66	.60
242018CG	+	TLC274BCN	DIP-14	Quad prec op amp, lower offset	.85	.80	.78
242026CG	+	TLC274CN	DIP-14	CMOS precision quad op amp	.57	.48	.43
242034CG	+	TLC274IN	DIP-14	Quad CMOS op amp	.41	.38	.34
280217CG	TI	TLC274CD	SOIC-14	LinCMOS prec. quad op amp, high gain	.63	.54	.40
280209CG	TI	TLC274CN	DIP-14	LinCMOS prec. quad op amp, high gain	.57	.54	.50
280161CG	TI	TLC27M4CD	SOIC-14	LinCMOS prec. quad op amp, med. gain	.73	.62	.46
312784CG	+	TLC277CD	SOIC-8	LinCMOS prec. dual op amp, low offset	1.49	1.26	1.20
280241CG	+	TLC277CP	DIP-8	Prec. dual op amp, low offset	1.47	1.18	.98
280196CG	TI	TLC277CD	SOIC-8	Prec. dual op amp, high gain, low offset	1.34	1.18	1.12
280145CG	TI	TLC27M7CD	SOIC-8	Prec. dual op amp, med. gain, low offset	1.35	1.23	1.12
280153CG	TI	TLC27M7CP	DIP-8	Prec. dual op amp, med. gain, low offset	1.39	1.24	1.12
245665CG	+	LM301AH	TO-5/8	Operational amplifier	2.15	1.64	1.27
212151CG	+	LM301AN	DIP-8	Operational amplifier	.34	.32	.28
245673CG	+	LM308AH	TO-5/8	Precision op amplifier	3.29	2.51	1.95
23464CG	+	LM308N	DIP-8	Precision op amplifier	5.49	4.99	4.36
245681CG	+	LM318M	SOIC-8	Precision high speed op amplifier	.95	.75	.65
23608CG	+	LM318N	DIP-8	Precision high speed op amplifier	.59	.54	.48
245702CG	+	LM324AM	SOIC-14	Low power quad op amp, impr. offset	.29	.25	.21
212169CG	+	LM324AN	DIP-14	Low power quad op amp, impr. offset	.29	.25	.22
86721CG	+	LM324D	SOIC-14	Low power quad op amplifier	.21	.18	.13
23683CG	+	LM324N	DIP-14	Low power quad op amplifier	.28	.24	.21
192559CG	+	LP324N	DIP-14	Micropower quad op amplifier	.44	.40	.37
241963CG	+	LMV324M	SOIC-14	Low voltage, general purpose	.72	.55	.412
245438CG	+	LF347BD	SOIC-14	Quad JFET input (wide BW, impr. offset)	1.15	1.10	1.07
245420CG	+	LF347M	SOIC-14	Quad JFET input (wide bandwidth)	.79	.67	.50
22904CG	+	LF347N	DIP-14	Quad JFET input op amp (wide band)	.35	.29	.24
275776CG	+	OPA347PA	DIP-8	Micropower rail-to-rail op amp	\$1.15	1.09	.97
246570CG	+	LM348M	SOIC-14	Quad 741 op amplifier	.89	.71	.52
23915CG	+	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.24	.18	.14
22912CG	+	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
245518CG	+	LF353D	SOIC-8	Dual JFET input (wide bandwidth)	.37	.30	.225
22939CG	+	LF353N	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.37	.35
193607CG	+	LF356M	SOIC-8	JFET input op amplifier (wide band)	.41	.37	.34
22971CG	+	LF356N	DIP-8	JFET input op amplifier (wide band)	.79	.67	.49
22998CG	+	LF357N	DIP-8	JFET input op amp (wide band decomp.)	2.55	2.30	1.72
246588CG	+	LM358AM	SOIC-8	Low power dual op amp., impr. offset	.23	.22	.165
120862CG	+	LM358AN	DIP-8	Low power dual (improved 358N)	.29	.25	.23
193615CG	+	LM358D	SOIC-8	Low power dual op amplifier	*	.14	.105
23966CG	+	LM358N	DIP-8	Low power dual op amplifier	.24	.21	.18
277106CG	+	LMV358M	SOIC-8	Low volt rail-to-rail output dual	.85	.62	.46
+ Jameco Value Offering *10 pcs./**20 pcs. in Linear kit, below							
Blue Part No. = Limited Quantity Available							

Linear and Interface IC Kit

SAVE \$70

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T

Part No.	Description	Wt. (lbs.)	1	10
84988CG	480 pcs. (40 types) analog IC kit	6.0	\$182.95	\$164.65
130411CG	Refill for 84988CG (480 pcs.)	1.3	169.95	145.95



84988CG

Op Amps (Continued)

					Package (see pg 38)		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
276736CG	+	MAX410CPA	DIP-8	Single 28MHz low noise, low volt prec	\$4.65	\$4.25	\$3.79
23018CG	+	LF411CN	DIP-8	Low offset drift JFET input op amp	1.35	1.00	.75
193640CG	+	LF412CD	SOIC-8	Low offset drift JFET input dual	.27	.24	.22
23026CG	+	LF412CN	DIP-8	Low offset drift JFET input dual	1.03	.76	.56
106681CG	+	LF442CN	DIP-8	Dual low power JFET input op amp	1.35	.99	.74
119984CG	+	LF444ACN	DIP-14	Quad low pwr JFET input op amp, low Vos	1.95	1.76	1.60
119992CG	+	LF444CN	DIP-14	Quad low pwr JFET input op amp	1.38	1.02	.69
312805CG	ADI	OP467GP	DIP-14	Quad precision high speed op amp	12.09	11.48	10.91
312813CG	ADI	OP467GS	SOIC-16	Quad precision high speed op amp	8.45	7.18	5.39
276613CG	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	4.45	4.05	3.63
276541CG	MAX	MAX492CPA	DIP-8	Dual upwr, single supply rail-to-rail	5.09	4.05	3.63
276533CG	MAX	MAX492CSA	SOIC-8	Dual upwr, single supply rail-to-rail	4.45	3.51	2.28
311773CG	MCH	MCP601-IP	DIP-8	2.8MHz, 2.7V-5.5V single supply CMOS	.60	.55	.525
311749CG	MCH	MCP602-IP	DIP-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.72	.71	.68
311765CG	MCH	MCP602-ISO	SOIC-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.77	.71	.68
311731CG	MCH	MCP603-IP	DIP-8	Single w/ CS, 2.8MHz, 2.7V-5.5V single CMOS	.63	.58	.56
311239CG	MCH	MCP621-IP	DIP-8	1-ch PGA low-gain single-ended rail-to-rail I/O	1.55	1.50	1.45
311255CG	MCH	MCP622-IP	DIP-8	2-ch PGA low-gain single-ended rail-to-rail I/O	1.89	1.80	1.72
311247CG	MCH	MCP622-ISO	SOIC-8	2-ch PGA low-gain single-ended rail-to-rail I/O	1.85	1.78	1.72
310367CG	ADI	AD626AN	DIP-8	Low-cost single supply diff amplifier	5.75	5.05	4.90
313314CG	ADI	AD626AR	SOIC-8	Low-cost single supply diff amplifier	5.95	5.62	5.38
311221CG	MCH	MCP628-IP	DIP-8	8-ch prog. low-gain single-ended rail-to-rail I/O	3.35	3.18	3.03
267266CG	NSC	LM660CM	SOIC-14	CMOS quad operational amplifier	1.55	1.16	.87
143976CG	+	LMC660CN	DIP-14	CMOS quad operational amplifier	1.35	1.20	.90
120926CG	+	LM675T	TO-220/5	Power op amplifier	4.75	4.05	4.01
24491CG	+	LM733CN	DIP-14	Differential amplifier	1.15	.99	.89
24521CG	+	LM741CH	TO-5/8	Op amplifier	2.75	2.45	2.23
24539CG	+	LM741CN	DIP-8	Op amplifier	.29	.25	.19
24563CG	+	LM747CN	DIP-14	Dual 741 op amplifier	4.19	3.85	3.39
299938CG	+	LM747H	TO-10	Dual op amplifier	4.25	3.70	3.55
311132CG	ADI	AD811AN	DIP-8	High performance video op amp	5.75	5.24	4.84
277085CG	NSC	LMV824M	SOIC-14	5MHz quad low pwr, low volt, rail-to-rail	1.45	1.05	.92
246688CG	NSC	LM837M	SOIC-14	Low noise quad operational amp	1.05	.80	.70
143896CG	NSC	LM837N	DIP-14	Low noise quad operational amp	1.35	1.12	.82
239222CG	LTC	LT1001CN8	DIP-8	Precision op amplifier	2.05	1.65	1.24
239231CG	LTC	LT1002CN	DIP-14	Dual matched precision op amp	4.09	2.94	2.42
239214CG	LTC	LT1006CN8	DIP-8	Precision op amplifier	2.39	1.61	1.38
300231CG	LTC	LT1007CN8	SOIC-8	Low noise high speed precision	3.45	2.30	1.83
239273CG	LTC	LT1012CN8	DIP-8	Picoamp input curr, microvolt offset, low noise	3.95	2.80	2.34
239169CG	+	LT1013CP	DIP-8	Dual precision op amplifier	1.16	.94	.71
252005CG	+	LT1013D	SOIC-8	Dual precision op amplifier	.86	.73	.55
239177CG	+	LT1014DN	DIP-14	Quad precision op amplifier	3.29	2.99	2.89
300193CG	LTC	LTC1050CN8	DIP-8	Precision zero-drift w/ int. cap	3.35	2.27	1.70
193682CG	+	LM1458M	SOIC-8	Dual op amplifier	.26	.22	.165
23131CG	+	LM1458N	DIP-8	Dual op amplifier	.29	.26	.20
302498CG	+	LM1815N-ND	DIP-14	Adaptive variable sensor amp	3.05	2.32	1.74
280129CG	TI	TLE2021CP	DIP-8	Excalibur hi speed low pwr prec	.90	.82	.74
310236CG	TI	TLE2022CD	SOIC-8	Excal hi spd LP dual prec op amp	1.35	1.30	1.27
280111CG	TI	TLE2022CP	DIP-8	Excal hi spd LP dual prec op amp	1.39	1.25	1.18
280102CG	TI	TLE2024CDW	SOIC-16	Excal hi spd LP quad prec op amp	2.65	2.56	2.29
280090CG	TI	TLE2024CN	DIP-14	Excal hi spd LP quad prec op amp	2.65	2.53	2.28
310658CG	TI	TLE2027CD	SOIC-8	Excal hi spd LP low offset prec op amp	1.75	1.65	1.55
310682CG	TI	TLE2027CD	SOIC-8	Excalibur low noise hi speed JFET input	1.85	1.57	1.18
310674CG	TI	TLE2027CP	DIP-8	Excalibur low noise hi speed JFET input	1.89	1.85	1.77
279996CG	TI	TLV2450CP	DIP-8	Rail-to-rail I/O op amp w/ shutdown	.92	.85	.63
279988CG	TI	TLV2451CD	SOIC-8	Rail-to-rail I/O op amp	1.09	.97	.90
310308CG	TI	TLV2474CD	SOIC-14	Quad LP r-r input/output w/ shdwn	2.09	1.79	1.73
279945CG	TI	TLV2474CN	DIP-14	2.8MHz r-r I/O hi drive w/shdwn	1.85	1.70	1.57
279953CG	TI	TLV2474IN	DIP-14	2.8MHz r-r I/O hi drive w/ shdwn, ext. temp.	1.95	1.80	1.65
315096CG	+	TLC27128CD	SOIC-8	LinCMOS precision dual op amp	.70	.60	.45
315088CG	+	TLC27128CP	DIP-8	LinCMOS precision dual op amp	.69	.59	.44
315061CG	+	TLC2714ACD	SOIC-14	LinCMOS precision quad op amp	\$67	.51	.456
315053CG	+	TLC2714CN	DIP-14	LinCMOS precision quad op amp	.68	.58	.43
245606CG	+	LM2902M	SOIC-14	Low power quad op amplifier	.25	.21	.16
+ Jameco Value Offering *10 pcs./**20 pcs. in Linear kit, left Blue P/N = Limited Quantity Available							

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC

Manufacturer Cross Reference Table

Jameco Value Offering +

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Visay	VSH

Op Amps (Continued)

Package (see above)

* Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
57007CG	+	LM2902N	DIP-14	Low power quad op amplifier	\$.25	\$.23	\$.22
245622CG	+	LM2904M	SOIC-8	Low power dual op amplifier	\$.13	\$.13	\$.12
121005CG	+	LM2904N	DIP-8	Low power dual op amplifier	.23	.22	.18
278141CG	TI	THS3001CD	SOIC-8	420MHz hi-speed curr. feedback	5.05	4.95	4.79
121166CG	+	CA3080E	DIP-8	Op transconductance amp. (100135)	2.95	2.65	2.38
12183CG	+	CA3130E	DIP-8	CMOS op amplifier	.81	.72	.69
12204CG	+	CA3140E	DIP-8	Bi-MOS op amplifier	.51	.47	.42
246721CG	+	MC3303D	SOIC-14	Quad op amplifier	.42	.33	.25
212193CG	+	MC3403N	DIP-14	Quad bipolar op amplifier	.42	.37	.277
246617CG	+	LM3900D	SOIC-14	Quad amplifier	.62	.53	.45
24168CG	+	LM3900N	DIP-14	Quad amplifier	.77	.65	.53
239185CG	TI	THS4031CD	SOIC-8	100MHz op amp.	3.45	3.35	3.25
278150CG	TI	THS4032CD	SOIC-8	100MHz low noise hi-speed amp.	6.05	5.65	5.26
278176CG	TI	THS4082CD	SOP-8	175MHz LP hi-speed amp.	5.29	4.95	4.63
278168CG	TI	THS4082ID	SOP-8	175MHz LP hi-speed amp., I-temp.	5.05	4.95	4.79
279929CG	TI	TLV4112CD	SOIC-8	High output drive w/ shutdown	1.75	1.44	1.35
29356CG	+	RC4136N	DIP-14	Quad op amp. (XR4136)	.68	.63	.47
275741CG	+	OPA4137PA	DIP-14	Low cost FET input op amp.	2.05	1.95	1.90
121072CG	+	LM4250CN	DIP-8	Programmable op amp.	.69	.62	.52
251256CG	TI	TLC4501ACD	SOIC-8	Prec. CMOS r-r output, low offset op amp	2.35	2.25	2.09
300767CG	TI	TLC4501AID	SOP-8	Prec. CMOS r-r output, low offset	2.35	2.20	1.90
251264CG	TI	TLC4501CD	SOIC-8	Prec. CMOS r-r output	2.25	2.15	2.02
251281CG	TI	TLC4502AID	SOIC-8	Dual prec. CMOS r-r output, low offset	3.55	3.40	3.20
310092CG	TI	TLC4502AQD	SOP-8	Dual prec. CMOS r-r output, low offset	3.69	3.55	3.37
251272CG	TI	TLC4502ID	SOIC-8	Dual prec. CMOS r-r output	3.25	3.15	3.01
251150CG	+	MC4558CD	SOIC-8	Wide bandwidth dual bipolar op amp	.39	.30	.22
251125CG	+	MC4558CN	DIP-8	Wide bandwidth dual bipolar op amp	.27	.25	.23
311933CG	+	EL5100IS	SOIC-8	200MHz slew enhanced volt feedback	1.99	1.93	1.88
311941CG	+	EL5106IS	SOIC-8	350MHz fixed gain amplifier w/ enable	1.85	1.80	1.76
311925CG	+	EL5108IS	SOIC-8	450MHz fixed gain amplifier w/ enable	2.05	1.99	1.93
252970CG	+	NE5532AF	DIP-8	Dual lower noise op amplifier	.50	.45	.39
27385CG	+	NE5532N	*DIP-8	Dual low noise op amplifier	.66	.50	.38
27406CG	+	NE5534	DIP-8	Low noise op amplifier	.78	.66	.54
193746CG	+	NE5534D	SOIC-8	Low noise op amplifier	.56	.49	.37
311001CG	MCH	MCP6002-IP	DIP-8	1MHz bandwidth low power op amp.	.45	.42	.40
310990CG	MCH	MCP6002-ISM	SOIC-8	1MHz bandwidth low power op amp.	.43	.415	.40
311714CG	MCH	MCP6021-ISM	SOIC-8	2.5V, 10MHz r-r input/output	1.27	1.16	1.11
311722CG	MCH	MCP6021-IP	DIP-8	2.5V, 10MHz r-r input/output	1.27	1.24	1.18
266950CG	NSC	LMC6035IBP	μSMD-8	Low pwr 2.7V single supply CMOS	1.15	.84	.63
301241CG	NSC	LMC6035IM	SOIC-8	Low pwr 2.7V single supply CMOS	1.34	.99	.72
267039CG	NSC	LMC6041IN	DIP-8	CMOS single micropower op amp.	1.30	1.11	.83
302121CG	NSC	LM6132AIM	SOIC-8	Dual LP r-r in/out, 10MHz, lower VOS	2.85	2.65	2.55
302105CG	NSC	LM6132BIM	SOIC-8	Dual LP r-r in/out, 10MHz	2.19	2.00	1.87
302113CG	NSC	LM6132BIN	DIP-8	Dual LP r-r in/out, 10MHz	2.19	2.14	2.09
302009CG	NSC	LM6134AIM	SOIC-14	Quad LP r-r in/out, 10MHz, lower VOS	3.55	3.15	2.95
302084CG	NSC	LM6134BIM	SOIC-14	Quad LP r-r in/out, 10MHz	2.79	2.50	2.45
302076CG	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	2.79	2.50	2.45
302068CG	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	4.35	3.85	3.62
301997CG	NSC	LM6144BIM	SOIC-14	Quad r-r in/out, 17MHz	4.35	4.27	4.19
301989CG	NSC	LM6152ACM	SOIC-8	Dual r-r in/out, 75MHz GBW	3.25	3.15	3.10
301891CG	NSC	LM6171AIM	SOIC-8	Hi speed, LP low distortion, lower VOS	2.75	2.45	2.35
301882CG	NSC	LM6171BIM	SOIC-8	Hi speed, LP low distortion volt feedback	2.35	2.10	2.01

+ Jameco Value Offering *10 pcs. in Linear Kit, pg 39 Blue Part No. = Limited Quantity Available

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
301903CG	NSC	LM6171BIN	DIP-8	Hi speed, LP low distortion volt feedback	\$2.35	\$1.80	\$1.40
311992CG	NSC	LM6181M	SOIC-8	100mA, 100MHz current feedback	2.15	1.85	1.38
301874CG	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.19	1.69	1.54
267063CG	NSC	LMC6442AIM	SOIC-8	Dual μpwr single-supply r-r, lower VOS	2.05	1.95	1.85
301436CG	NSC	LMC6442IM	SOIC-8	Dual μpwr r-r output single supply	2.25	1.92	1.62
301364CG	NSC	LMC6442IN	DIP-8	Dual μpwr r-r output single supply	2.25	1.95	1.75
267119CG	NSC	LMC6462AIM	SOIC-8	Dual μpwr sngl-suppl. r-r I/O CMOS, lower VOS	2.39	2.16	1.95
126906CG	NSC	LMC6462AIN	DIP-8	μpwr r-r I/O CMOS op amp., lower VOS	2.19	2.00	1.81
126893CG	NSC	LMC6482AIN	DIP-8	CMOS dual r-r input/output, lower VOS	1.89	1.43	1.07
251168CG	NSC	LMC6482AIM	SOIC-8	CMOS dual r-r I/O, lower VOS	1.55	1.15	1.05
267127CG	NSC	LMC6482IM	SOIC-8	CMOS dual r-r I/O op amp.	1.29	.98	.86
267223CG	NSC	LMC6482IN	DIP-8	CMOS dual r-r I/O op amp.	1.55	1.13	.84
267240CG	NSC	LMC6484AIM	SOIC-14	CMOS quad r-r I/O op amp., lower VOS	2.75	2.09	1.75
301356CG	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O op amp., lower VOS	2.99	2.09	1.82
267258CG	NSC	LMC6484IM	SOIC-14	CMOS quad r-r I/O op amp.	2.15	1.62	1.28
311811CG	NSC	LM6702MA	SOIC-8	Single ultra low-distortion, wideband	2.99	2.48	2.40
251871CG	NSC	LM701AIM5	SOT-23/5	Tiny low power w/ r-r I/O	1.03	.76	.57
251900CG	+	LM7111AIN	DIP-8	Tiny CMOS op amp. w/ r-r I/O	1.39	1.03	.84
301807CG	NSC	LM7171AIM	SOIC-8	Hi speed hi output current volt feedback	2.39	2.15	1.98
301794CG	NSC	LM7171AIN	DIP-8	Hi speed hi output current volt feedback	2.39	2.15	1.98
301751CG	NSC	LM7171BIM	SOIC-8	Hi speed hi output current volt feedback	2.25	2.15	1.98
301823CG	NSC	LM7171BIN	DIP-8	Hi speed hi output current volt feedback	2.35	1.95	1.75
301840CG	NSC	LM7121IM	SOIC-8	235MHz tiny low pwr. volt. feedback	2.49	1.87	1.45
301701CG	NSC	LM7301IM	SOIC-8	Low pwr r-r in/pout, 4MHz GBW	1.75	1.31	1.15
301655CG	NSC	LM7301IM5	SOT-23/5	Low pwr r-r in/pout, 4MHz GBW	1.49	1.11	.90
315281CG	+	ICL7611DCBA	SOIC-8	1.4MHz LP CMOS op amp.	.62	.59	.57
315272CG	+	ICL7611DCPA	DIP-8	1.4MHz LP CMOS op amp.	.69	.63	.58
311159CG	ADI	AD8002AR	SOIC-8	Dual 600MHz, 50mW, curr. feedback	4.85	4.19	3.95
312776CG	ADI	AD8042AR	SOIC-8	Low-cost high speed r-r	4.29	3.65	2.73
312750CG	ADI	AD8052AR	SOIC-8	Low-cost high speed r-r	2.55	2.08	1.75
312768CG	ADI	AD8052ARM	μSO-8	Low-cost high speed r-r	3.35	2.54	1.91
255257CG	ADI	AD8091AR	SOIC-8	Low-cost high speed r-r	1.10	1.09	1.08
255231CG	ADI	AD8092ARM	μSO-8	Low-cost high speed r-r	1.25	1.20	1.18
311095CG	ADI	AD8307AN	DIP-8	Low-cost DC-500MHz 92dB logarithmic	13.29	12.63	12.00
255206CG	ADI	AD8510AR	SOIC-8	Prec. low noise/input bias curr. JFET input	2.09	2.05	1.96
279591CG	ADI	AD8515ART	SOT-23/5	1.8V low pwr CMOS r-r I/O	.90	.80	.60
192532CG	+	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.20	.88	.64
277704CG	+	MC33202P	DIP-8	Low voltage r-r op amp.	.69	.59	.49
251117CG	+	MC34072D	SOIC-8	Single supply 3V-44V op amp.	.42	.38	.285
251061CG	+	MC34072P	DIP-8	Single supply 3V-44V op amp.	.91	.85	.79

Blue Part No. = Limited Quantity Available

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Linear Series

NEW

Package (see pg 40)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
25751CG	+	MF10CN	DIP-20	General purpose dual active filter	\$3.09	\$2.91	\$2.73
16301CG	+	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)(TC426CPA)	5.19	4.67	4.19
674275CG	+	DG201AAK	DIP-16	CMOS quad SPST analog switch	15.69	14.12	11.25
239281CG	+	DG201BDJ	DIP-16	Quad analog switch	1.34	1.25	.98
674291CG	VSH	DG201BDY	SOP-16	CMOS quad SPST analog switch	1.19	1.07	1.00
674304CG	VSH	DG201HSDY	SOP-16	CMOS quad SPST analog switch	3.05	2.75	2.46
239290CG	+	DG202BDJ	DIP-16	Quad analog switch	1.99	1.90	1.81
674312CG	+	DG202BDQ	TSSOP-16	CMOS quad SPST analog switch	1.35	1.22	1.11
239311CG	+	DG211BDJ	DIP-16	Quad analog switch	1.29	1.25	1.20
674321CG	VSH	DG211BDY	SOP-16	CMOS quad SPST analog switch	1.33	1.20	1.06
239329CG	+	DG211CJ	DIP-16	SPST quad channel analog switch	2.85	2.18	1.57
674339CG	VSH	DG212BDY	SOP-16	CMOS quad SPST analog switch	1.17	1.05	.97
302332CG	+	LM231AN	DIP-8	Precision volt. to frequency conv.	7.25	7.10	7.02
302316CG	+	LM231N	DIP-8	Precision volt. to frequency conv.	4.49	4.15	3.84
302324CG	+	LM234Z-3	TO-92	3-terminal adj. current source	2.39	1.85	1.38
302308CG	+	LM234Z-6	TO-92	3-terminal adj. current source	1.40	1.05	.78
302295CG	+	LM236D	SOIC-8	2.5V voltage reference	.70	.60	.50
697119CG	VSH	DG271BDY	SOIC-16	Hi-spd quad mono (SPST) switch	1.89	1.84	1.79
291080CG	+	LM285BZ-1.2	TO-92	1.2V voltage reference diode, 1% tol.	2.15	1.61	1.20
297801CG	+	LM285BZ-2.5	TO-92	2.5V voltage reference diode	2.15	1.93	1.44
312354CG	+	LM285M	SOIC-8	Adjustable micropower volt reference	.96	.71	.52
312362CG	+	LM285M-1.2	SOIC-8	1.2V micropower volt. ref. diode	.67	.60	.44
312371CG	+	LM285M-2.5	SOIC-8	2.5V micropower volt. ref. diode	.67	.60	.45
291055CG	+	LM285Z-1.2	TO-92	1.2V voltage reference, 20mA	.52	.43	.38
291071CG	+	LM285Z-2.5	TO-92	2.5V voltage reference, 10mA	.51	.48	.36
245446CG	+	MAX301CPE	DIP-16	Precision dual hi speed analog switch	3.05	2.90	2.82
245456CG	+	MAX301CSE	SOIC-16	Precision dual hi speed analog switch	3.55	3.45	3.40
674347CG	VSH	DG303BDJ	DIP-14	Dual CMOS DPST analog switch	2.55	2.31	2.08
245462CG	+	MAX303CPE	DIP-16	Precision dual hi speed analog switch	6.95	6.60	6.22
277051CG	+	MAX303CSE	SOIC-16	Precision dual hi speed analog switch	9.59	8.55	7.53
297828CG	+	LM331AN	DIP-8	5V precision voltage-freq. conv.	6.75	6.39	6.08
23721CG	+	LM331N	DIP-8	Prez volt to freq convtr (150ppm/°C)	2.19	1.69	1.30
674355CG	VSH	DG333ADW	SOP-20	Precision quad SPDT analog switch	3.19	2.87	2.48
245729CG	+	LM334M	SOIC-8	3-terminal adjustable current source	.82	.70	.60
23739CG	+	LM334Z	TO-92	Adjust current source	.43	.40	.30
291135CG	+	LM336BZ-2.5	TO-92	2.5V voltage reference diode	1.16	.98	.73
297676CG	+	LM336BZ-5.0	TO-92	5V voltage reference diode	1.32	.98	.74
193578CG	+	LM336M-2.5	SOIC-8	Precision 2.5V shunt regulator diode	.38	.35	.32
23771CG	+	LM336Z-2.5	TO-92	Voltage reference (2.5V)	.30	.22	.17
120871CG	+	LM385BZ-1.2	TO-92	Voltage reference diode (1.2V ±1.5%)	.29	.26	.24
120889CG	+	LM385BZ-2.5	TO-92	Voltage reference diode (2.5V ±1.5%)	.48	.37	.30
24117CG	+	LM385Z-1.2	TO-92	Micropower volt ref diode (1.2V)	.49	.42	.31
24109CG	+	LM385Z-2.5	TO-92	Voltage reference diode (2.5V ±3%)	.37	.34	.255
23000CG	+	LF398N	DIP-8	Sample and hold circuit	.90	.87	.84
697127CG	VSH	DG403BDJ	DIP-16	Low-power, high-speed switch	1.39	1.35	1.32
309833CG	+	DG403DJ	DIP-16	Dual SPDT (NO) & SPDT (NC) analog switch	2.95	2.73	2.05
245454CG	+	DG403DY	SOIC-16	Dual SPDT (NO) & SPDT (NC) analog switch	.90	.75	.70
245489CG	+	DG405DJ	DIP-16	DPST (NO) dual high speed analog switch	2.75	2.50	1.88
697143CG	VSH	DG405DY	SOIC-16	Low-power, high-speed analog switch	1.19	1.16	1.13
256541CG	+	DG406DJ	DIP-28	1 of 16 multiplexer/demultiplexer	4.65	3.94	2.96
674363CG	VSH	DG406DN	PLCC-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	4.39	3.95	3.64
674371CG	VSH	DG406DW	SOP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	4.79	4.32	3.97
272161CG	+	DG407DJ	DIP-28	Dual 8-ch multiplexer/demultiplexer	5.69	5.11	4.61
288227CG	+	DG407DN	PLCC-28	Dual 8-ch multiplexer/demultiplexer	5.85	5.42	4.99
256532CG	+	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.75	1.65	1.24
279582CG	+	DG408DY	SOIC-16	1 of 8 multiplexer/demultiplexer	1.30	1.23	.92
288243CG	+	DG409BN	DIP-16	Dual 4-channel multiplexer/demultiplexer	4.05	3.95	3.87
288260CG	+	DG409DJ	DIP-16	Dual 4-channel multiplexer/demultiplexer	1.25	1.15	1.05
279574CG	+	DG409DY	SOIC-16	Dual 4-channel multiplexer/demultiplexer	1.32	1.25	.93
243643CG	+	DG411DJ	DIP-16	Quad SPST (NC) analog switch	1.99	1.79	1.33
243651CG	+	DG411DY	SOIC-16	Quad SPST (NC) analog switch	1.89	1.80	1.35
256516CG	+	DG412DJ	DIP-16	Quad SPST (NO) analog switch	1.59	1.05	.89
245388CG	+	DG412DY	SOIC-16	Quad SPST (NO) analog switch	1.10	1.05	1.02
674398CG	VSH	DG413DJ	DIP-16	Imprvd quad SPST (2NO&2NC) analog sw.	1.36	1.03	.61

◆ Jameco Value Offering
 ◆ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Linear Series (Continued)


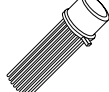
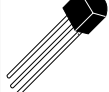
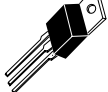


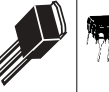
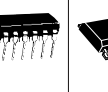
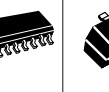
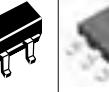



NEW

Package (see pg 40)


Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
272137CG	+	DG413DY	SOIC-16	Dual SPST (NO), dual SPST (NC) analog sw.	\$1.25	\$1.20	\$1.05
674401CG	VSH	DG417DY	SOP-8	Improved SPST NC analog switch	.78	.74	.64
674419CG	VSH	DG418DJ	DIP-8	Improved SPST NO analog switch	1.44	1.32	1.19
674427CG	VSH	DG418DY	SOP-8	Improved SPST NO analog switch	.78	.74	.64
279540CG	+	DG419DJ	DIP-8	Dual SPST (NO), dual SPST (NC) analog switch	1.99	1.68	1.26
246561CG	+	DG419DY	SOIC-8	Dual SPST (NO), dual SPST (NC) analog switch	1.15	.98	.73
33347CG	+	TL431CLP	TO-92	Program precision reference	.32	.27	.20
279558CG	+	DG441DJ	DIP-16	Quad SPST (NC) analog switch	1.43	1.15	.97
697151CG	VSH	DG441DY	SOIC-16	Quad (SPST) CMOS analog switch	*	.99	.96
256495CG	+	DG442DJ	DIP-16	Quad SPST (NO) analog switch	5.49	1.41	1.30
256508CG	+	DG442DY	SOIC-16	Quad SPST (NO) analog switch	1.08	.92	.83
256487CG	+	DG444DJ	DIP-16	Quad SPST (NC) analog switch	1.29	1.20	.96
256479CG	+	DG444DY	SOIC-16	Quad SPST (NC) analog switch	1.22	1.13	1.04
256452CG	+	DG445DJ	DIP-16	Quad SPST (NO) analog switch	1.35	1.28	.96
256444CG	+	DG445DY	SOIC-16	Quad SPST (NO) analog switch	.85	.74	.68
33355CG	+	TL494CN	DIP-16	Control circuit pulse-width-modulated	.43	.37	.28
697178CG	VSH	DG540DN	PLCC-20	Wideband/video "T" switch	3.55	3.45	3.35
697186CG	VSH	DG541DY	SOIC-16	Wideband/video "T" switch	1.79	1.74	1.69
86799CG	+	LM555CM	SOIC-8	Timer (NE555D)	.25	.16	.13
27422CG	+	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
246676CG	+	LM555CM	SOIC-8	CMOS 555 timer	.59	.42	.31
126797CG	+	LM555CN*	DIP-8	CMOS 555 timer	.51	.47	.42
193658CG	+	LM556CM	SOIC-14	Dual 555 timer	.31	.26	.195
24328CG	+	LM556N*	DIP-14	Dual 555 timer	.82	.60	.45
27457CG	+	NE558N	DIP-16	Quad timer (NE558C)	.68	.62	.52
27473CG	+	NE564N	DIP-16	High frequency phase locked loop	1.95	1.49	1.05
24352CG	+	LM565N	DIP-14	Phased locked loop	1.69	1.28	.96
24379CG	+	LM566CN	DIP-8	Function generator (VCO)	12.95	12.31	11.69
193666CG	+	LM567CM	SOIC-8	Tone decoder	.26	.24	.22
24395CG	+	LM567CN	DIP-8	Tone decoder	.45	.43	.31
277691CG	+	LM567CM	SOIC-8	Low-power tone decoder	1.38	1.18	.88
246650CG	+	LM567CN	DIP-8	Tone decoder	1.45	1.23	.92
243387CG	+	LM568CN	DIP-8	Low power phase-locked loop	1.65	.88	.80
27490CG	+	NE571N	DIP-16	Companion, subscriber	3.29	2.99	2.69
287700CG	+	AD580JH	TO-52	2.5V volt reference high precision	3.79	3.18	2.89
287734CG	+	AD580LH	TO-52	2.5V volt reference high precision	9.49	8.05	6.91
287785CG	ADI	AD581KH	TO-5/3	10V volt ref hi prec 10mV tolerance	8.09	7.37	6.89
287814CG	ADI	AD584JH	TO-99	Prog voltage reference 30mV tol.	5.65	4.80	3.60
288155CG	ADI	AD584KN	DIP-8	Prog voltage reference 11mV tol.	10.69	10.15	9.63
312012CG	ADI	AD586JH	DIP-8	High precision 5V reference	5.65	5.11	4.85
312004CG	ADI	AD586KR	SOIC-8	High precision 5V reference	5.95	5.32	3.99
697194CG	VSH	DG613DY	SOIC-16	Hi-spd, low-glitch D/CMOS analog sw.	1.29	1.26	1.22
115174CG	ADI	AD620AN	DIP-8	Low-cost instrument amplifier	12.65	11.60	8.70
310383CG	ADI	AD622AR	SOIC-8	Low-cost instrument amplifier	4.25	3.78	3.62
115182CG	ADI	AD633JH	DIP-8	Low-cost analog multiplier	7.75	6.97	6.28
674435CG	VSH	DG641DY	SOP-16	Quad SPST low on-res. wideband/video sw.	2.29	2.22	1.90
674443CG	VSH	DG642DJ	DIP-8	SPDT low on-res. wideband/video sw.	1.89	1.67	1.51
674451CG	VSH	DG642DY	SOP-8	SPDT low on-res. wideband/video sw.	1.75	1.78	1.38
674460CG	VSH	DG643DY	SOP-16	Dual SPDT low on-res. wideband/video sw.	2.55	2.62	2.03
241912CG	+	TC646VOA	SOIC-8	3-5V, PWM fan controller	2.25	2.15	2.05
276509CG	+	MAX660CSA	SOIC-8	CMOS monolithic voltage converter	5.59	4.62	3.13
312194CG	+	MAX662ACPA	DIP-8	Pos. 12V 30mA flash memory prog supply	3.65	3.15	3.05
312186CG	+	MAX662ACSA	SOIC-8	Pos. 12V 30mA flash memory prog supply	4.05	2.79	2.09
312151CG	MAX	MAX724CCK	TO-220/5	5A/2A step-down PWM switch mode DC-DC reg	10.75	9.13	8.67
315969CG	+	TC962COE	SOIC-16	High current charge pump DC-DC con.	2.25	2.23	2.20
316515CG	+	TC962CPA	DIP-8	High current charge pump DC-DC con.	2.09	2.03	1.95
239257CG	+	LT1004CZ-1.2	TO-92	1.2V, micropower voltage reference	.68	.57	.46
239265CG	+	LT1004CZ-2.5	TO-92	2.5V, micropower voltage reference	.68	.58	.435
301541CG	+	LT1009CLP	TO-92	2.5V voltage reference diode	.55	.50	.37
300177CG	LTC	LT1009CZ	TO-92	2.5V voltage reference diode	1.99	1.32	1.15
312258CG	MAX	MAX104CPA	DIP-8	Switched capacitor volt converters	2.35	1.95	1.69
312240CG	MAX	MAX104CSA	SOIC-8	Switched capacitor volt converters	2.59	2.06	1.54
300206CG	LTC	LTC1046CS	SOIC-8	Inductorless 5V to 5V converter	4.35	2.95	2.21
278184CG	+	TL1451ACN	DIP-16	Dual pulse-width-mod control circuit	1.85	1.51	1.13

◆ Jameco Value Offering *10 pcs. in Linear kit, pg 39 **20 pcs. in Linear kit, pg 39

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	MW	PLCC
												

Manufacturer Cross Reference Table

Jameco Value Offering 

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Linear Series (Continued)



NEW

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	* Minimum order 10 pieces		
					1	10	100
118578CG	+	MC1495L	DIP-14	Linear four quadrant multiplier	\$9.95	\$8.95	\$8.05
232111CG	+	LM1496N	DIP-14	Balanced mod/demodulator (MC1496P) ....	.65	.60	.54
311790CG	MCH	MP1252-33K50	MSOP-8	Low-noise pos regulated charge pump	2.25	2.17	2.07
34278CG	+	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array .....	.39	.32	.28
193826CG	+	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array .....	.39	.35	.29
700605CG	TI	ULN2003ADR	SOIC-16	Hi-volt/curr. darl. transistor array	* .184	* .178	* .178
700672CG	TI	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array .....	.69	.67	.65
700613CG	TI	ULN2004AD	SOIC-16	Hi-volt/curr. darl. transistor array	* .184	* .178	* .178
700621CG	TI	ULN2004ADR	SOIC-16	Hi-volt/curr. darl. transistor array	* .184	* .178	* .178
700630CG	TI	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	* .184	* .178	* .178
34294CG	+	ULN2004AN	DIP-16	Hi-volt/curr. darl. trans. array (XR2204CP) ..	.35	.30	.25
34972CG	+	XR2206CLP	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999CG	+	XR2211N	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280081CG	+	TLE2425CD	SOIC-8	Precision virtual ground	1.19	.96	.72
280022CG	+	TLE2426CD	SOIC-8	Rail splitter precision virtual ground ..	1.19	.91	.82
280073CG	+	TLE2426CLP	TO-92	Rail splitter precision virtual ground ..	1.19	.91	.82
34315CG	+	ULN2803A	DIP-18	Hi-volt/curr. darl. transistor array .....	.69	.59	.49
700648CG	TI	ULN2803ADWR	SOIC-18	Hi-volt/curr. darl. transistor array .....	.49	.475	.461
700656CG	TI	ULN2803ADWR	SOIC-18	Hi-volt/curr. darl. transistor array .....	.35	.339	.329
700664CG	TI	ULN2803AN	DIP-18	Hi-volt/curr. darl. transistor array .....	.45	.437	.424
123625CG	+	LM2907N	DIP-8	Frequency to voltage converter	\$1.55	1.31	1.01
23317CG	+	LM2907N	DIP-14	Frequency to voltage converter	1.30	1.10	.91
245631CG	+	LM2917M	SOIC-14	Freq. to voltage conv. w/ zener	1.65	1.45	1.40
23350CG	+	LM2917N	DIP-8	Freq. to voltage conv. w/ zener	1.85	1.40	1.15
23341CG	+	LM2917N	DIP-14	Freq. to voltage conv. w/ zener	1.69	1.45	1.32
12079CG	+	CA3046N	DIP-14	NPN transistor array (ULN2046) .....	.49	.46	.41
12159CG	+	CA3086N	DIP-14	Transistor array NPN (ULN2086)	1.29	1.19	1.09
12247CG	+	CA3162E	DIP-16	Dual slope & rate analog/digital conv. ..	8.95	8.05	7.25
31974CG	+	SG3524N	DIP-16	Regulating pulse width modulator .....	.53	.50	.42
235328CG	+	UC3525AN	DIP-8	SMPS controller .....	.39	.36	.30
243521CG	+	UC3842AN	DIP-8	30V, curr. mode PWM contrlr, hi UVLO .....	.40	.37	.277
278926CG	+	UC3842D	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO .....	.75	.60	.45
243504CG	+	UC3843AN	DIP-8	30V, curr. mode PWM controller .....	.40	.37	.277
279443CG	+	UC3844AD	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO 50% DC ..	.37	.35	.30
243512CG	+	UC3844AN	DIP-8	30V, curr. mode PWM contrlr, hi UVLO 50% DC ..	.44	.38	.31
243491CG	+	UC3845N	DIP-8	30V, curr. mode PWM contrlr, 50% duty cycle ..	.44	.41	.35
279451CG	+	UC3846N	DIP-16	40V, current mode PWM controller .....	.45	.38	.32
243571CG	+	LM4040AIZ-10	TO-92	10V, prec. pPwr shunt volt ref, 0.1%VR tol ..	.85	.77	.70
243598CG	+	LM4040AIZ-25	TO-92	2.5V, prec. pPwr shunt volt ref, 0.1%VR tol ..	.95	.71	.53
243580CG	+	LM4040AIZ-50	TO-92	5.0V, prec. pPwr shunt volt ref, 0.1%VR tol ..	1.14	1.04	.94
243619CG	+	LM4040CIZ-25	TO-92	2.5V, prec. pPwr shunt volt ref, 0.5%VR tol ..	.95	.71	.53
243601CG	+	LM4040CIZ-50	TO-92	5.0V, prec. pPwr shunt volt ref, 0.5%VR tol ..	.57	.53	.48
302252CG	NSC	LM4040DIZ-25	TO-92	2.5V, prec. pPwr shunt volt ref, 1.0%VR tol ..	.81	.60	.45
302228CG	NSC	LM4040DIZ-50	TO-92	5.0V, prec. pPwr shunt volt ref, 1.0%VR tol ..	.48	.41	.32
25275CG	+	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
29372CG	+	RC4151NB	DIP-8	Volt to frequency converter (XR4151) ..	1.59	1.43	1.29
312119CG	+	TPS6734ID	SOIC-8	Fixed 12V 120mA boost converter supply ..	1.95	1.89	1.81
297924CG	+	TPS6734IP	DIP-8	Fixed 12V 120mA boost converter supply ..	1.75	1.41	1.05
312143CG	TI	TPS6735ID	SOIC-8	Fixed neg 5V 200mA invert DC/DC con ..	1.89	1.80	1.72
312135CG	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con ..	1.89	1.80	1.70
312127CG	TI	TPS6755ID	SOIC-8	Adjustable analog DC/DC inverter ..	2.15	1.85	1.81
288163CG	ADI	AD7501KN	DIP-16	8-channel analog multiplexer	12.15	11.55	10.98

◆ Jameco Value Offering * 10 pcs. in Linear kit, pg 39 ◆ Pull = Extra Savings

◆ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Linear Series (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
51140CG	+	75551PA	DIP-8	CMOS timer (LM555CN)	\$.33	\$.31	\$.29
51174CG	+	7660CPA	DIP-8	CMOS volt convtr (+5 to ±5V) (M660AN) ..	.75	.68	.59
290301CG	+	ICL7660ACPA	DIP-8	1.5V - 12V volt converter, 10kHz, supp	1.35	1.23	.92
290335CG	+	ICL7660SCPA	DIP-8	1.5V - 12V volt convtr, 10kHz freq boost ...	1.19	1.02	.92
316662CG	+	ICL7662CBA	SOIC-8	Volt converter, 20Vin, 4.5-20V out	2.99	2.79	2.65
316646CG	+	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	2.95	2.75	2.49
51879CG	+	8038CCPD	DIP-14	Precision wave form generator	4.95	4.49	3.95
316540CG	+	TC9400CPD	DIP-14	Volt freq/freq volt converter	5.75	5.34	5.07
316531CG	+	TC9400COD	SOIC-14	Volt freq/freq volt converter	6.35	6.03	5.73
674478CG	+	DG9431DY	SOP-8	Low-volt. single SPDT analog switch .....	.97	.94	.80
25021CG	ON	MC14411P	DIP-24	Bit rate frequency generator	4.95	4.79	4.62
241841CG	+	MC14467	DIP-16	Smoke detector, ionization type .....	.95	.85	.77
25064CG	ON	MC14490P	DIP-16	Hex contact bounce eliminator	6.25	5.63	5.03
354597CG	+	MC14551N	DIP-16	Quad 2-ch analog multi/demultiplexer ...	1.20	.97	.73
354626CG	+	MC14557	DIP-16	1-64 bit variable length shift register ...	.73	.61	.45
241832CG	ON	MC145012	DIP-16	Smoke detector, photoelectric type ...	2.25	2.14	2.03
118586CG	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	6.15	5.20	4.10
700429CG	TI	TPS54612PWP	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.65	6.46	6.28
700437CG	TI	TPS54613PWP	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.65	6.46	6.28
700445CG	TI	TPS54614PWP	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.65	6.46	6.28
700453CG	TI	TPS54616PWP	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.65	6.46	6.28

◆ Jameco Value Offering

Pressure Sensors



Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

• To convert kPa to PSI: 1kPa = 0.1450377PSI



Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320899CG	MPX10DP	—	344C	0 - 10	35mV	3 @ 6 ..	\$10.95	\$10.40	\$10.18
320987CG	MPX2010DP	D	344C	0 - 10	25mV	10 @ 6	14.85	14.07	13.37
321015CG	MPX2010GP	G	344B	0 - 10	25mV	10 @ 6	13.39	13.28	13.17
321293CG	MPX5050D	D	867	0 - 50	4.7V	5 @ 7	20.95	19.15	17.25

* D = differential; G = gauge



Hall-Effect Sensors

SIP-3 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
319089CG	ATS137M	SIP-3	Hall-effect switch 25mA, 20V max, ext. temp	\$1.75	\$1.52	\$1.28
319100CG	AH182PL	SIP-3	Hall-effect switch 25mA, low power .....	.83	.57	.44

Digital Potentiometers

DIP 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744CG	MCP41010-IP	DIP-8	10kΩ, 256 steps, SPI digital pot	\$1.59	\$1.49	\$1.39
241761CG	MCP41050-IP	DIP-8	50kΩ, 256 steps, SPI digital pot	1.85	1.55	1.40
241787CG	MCP41100-IP	DIP-8	100kΩ, 256 steps, SPI digital pot	1.55	1.47	1.40
241752CG	MCP42010-IP	DIP-14	10kΩ, 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10
241779CG	MCP42050-IP	DIP-14	50kΩ, 256 steps, 2-ch, SPI digital pot	2.55	2.10	2.07
241795CG	MCP42100-IP	DIP-14	100kΩ, 256 steps, 2-ch, SPI digital pot	2.35	2.20	2.10

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Temperature Sensors

				Package (see pg 42)			
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107094CG	NSC	LM34CZ	TO-92	Prec temp sensor (-40° to +230°F)	\$4.89	\$4.52	\$4.08
193480CG	NSC	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	1.75	1.32	.99
155192CG	NSC	LM34DZ	TO-92	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.23
302560CG	NSC	LM35CAZ	TO-92	Precision C temperature sensor	5.19	4.14	3.55
193498CG	NSC	LM35DM	SOIC-8	Prec temp sensor (-55° to 150°C)	1.65	1.25	.93
192217CG	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.55	1.92	1.44
107107CG	NSC	LM35CZ	TO-92	Prec temp sensor (-40° to 110°C)	4.39	3.37	2.52
155740CG	NSC	LM35DZ	TO-92	Prec temp sensor (0° to +100°C)	1.79	1.35	1.25
278361CG	ADI	TMP36FS	SOIC-8	Low voltage temp sensor, ±2°C	.95	.80	.70
278395CG	ADI	TMP36GS	SOIC-8	Low voltage temp sensor, ±3°C	.82	.70	.60
278387CG	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.00	.92	.69
302164CG	NSC	LM50BIM3	SOT-23	Single supply temp sensor, ±2°C	1.35	1.00	.75
302172CG	NSC	LM50CIM3	SOT-23	Single supply temp sensor, ±3°C	.90	.66	.49
302148CG	NSC	LM56BIM	SOIC-8	Dual output low-power thermo, dig-out	1.95	1.60	1.42
302092CG	+	LM61CI2	TO-92	2.7V analog temperature sensor	4.35	.54	.46
301639CG	NSC	LM74CBP-3	µSMD-5	12-bit + sign digital temp sensor	2.19	1.70	1.44
301604CG	NSC	LM74CBP-5	µSMD-5	12-bit + sign digital temp sensor	1.59	1.52	1.45
301621CG	NSC	LM74CIM-3	SOIC-8	12-bit + sign digital temp sensor	1.59	1.40	1.19
301583CG	NSC	LM74CIM-5	SOIC-8	12-bit + sign digital temp sensor	1.59	1.40	1.19
311853CG	NSC	LM75CIM-3	SOIC-8	Digital temp sensor/thermal watchdog	1.45	1.23	.92
311845CG	NSC	LM75CIM-5	SOIC-8	Digital temp sensor/thermal watchdog	1.65	1.32	1.17
301567CG	NSC	LM77CIM-3	SOIC-8	9-bit + sign digital window comp	1.75	1.50	1.37
282028CG	+	LM135H	TO-46	Precision temperature sensor	8.25	7.57	6.89
120820CG	+	LM335AZ	TO-92	Precision temperature sensor	.81	.75	.71
193560CG	+	LM335M	SOIC-8	Precision temperature sensor	1.09	.82	.60
23755CG	+	LM335Z	TO-92	Volt mode temperature sensor	.67	.61	.44
241939CG	+	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306CG	+	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	12.99	11.69	10.53
313293CG	+	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	13.55	11.89	10.52
302551CG	+	DS18S20	TO-92	High-prec. 1-wire digital thermo	4.19	2.02	1.82
287371CG	+	AD7814ARM	µSO-8	10-bit digital temp. sensor	1.99	1.90	1.82

◆ Jameco Value Offering

NPN Bipolar Transistors

				Package (see pg 42)			
				* Minimum order 10 pieces			
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ Ic)	1 10 100 1000
214834CG	MMBTA05	+	SOT-23	NPN	60	—	* \$0.02 \$0.018 \$0.017
297799CG	MPSA05	+	TO-92	NPN	60	100 @ .01A	* .075 .064 .034
214842CG	MMBTA06	+	SOT-23	NPN	80	100 @ .01A	* .05 .04 .03
26462CG	MPSA06	* +	TO-92	NPN	30	50 @ .01A	* .05 .023 .021
288930CG	MPSH10	+	TO-92	NPN	25	60 @ .004A	* .09 .08 .06
214851CG	MMBTA13	+	SOT-23	NPN	30	5k @ .01A	* .05 .03 .023
26489CG	MPSA13	* +	TO-92	NPN	30	5k @ .01A	* .059 .034 .028
214869CG	MMBTA14	+	SOT-23	NPN	30	10k @ .01A	* .05 .03 .023
210593CG	MPSA14	+	TO-92	NPN	30	20k @ .10A	* .083 .067 .038
210681CG	MPSA18	+	TO-92	NPN	45	500 @ .001A	* .083 .066 .049
288850CG	MPSA29	+	TO-92	NPN	100	10k @ .1A	* .06 .034 .025
33021CG	TIP29A	+	FSC	TO-220	NPN	60	15 @ 1A \$41.35 .34 .32 .257
297781CG	TIP29C	+	TO-220	NPN	100	40 @ .2A	.25 .38 .195 .17
33048CG	TIP31A	* +	TO-220	NPN	60	10 @ 3A	.49 .39 .35 .29
179354CG	TIP31C	+	FSC	TO-220	NPN	100	10 @ 3A .49 .37 .30 .18
33081CG	TIP41A	+	TO-220	NPN	60	15 @ 3A	.59 .55 .50 .42
179371CG	TIP41C	+	FSC	TO-220	NPN	100	15 @ 3A .34 .32 .27 .22
214885CG	MMBTA42	+	SOT-23	NPN	300	40 @ .01A	* .023 .021 .019
178546CG	MPSA42	+	TO-92	NPN	30	40 @ .03A	* .08 .075 .056
288614CG	TIP47	+	TO-220	NPN	250	30 @ .3A	.36 .31 .25 .18
288631CG	TIP48	+	TO-220	NPN	300	30 @ .3A	.49 .42 .37 .278
120221CG	BPW77NA	+	TO-18	NPN	70	—	1.99 1.89 1.55 1.21
277413CG	PN100	+	TO-92	NPN	45	100 @ .15A	* .05 .042 .037
288420CG	TIP100	+	TO-220	NPN	60	1k @ 3A	.45 .41 .34 .25
297772CG	TIP101	+	TO-220	NPN	80	1k @ 3A	.60 .54 .46 .34
32977CG	TIP102	* +	TO-220	NPN	100	1k @ 3A	.57 .49 .41 .245
179240CG	TIP102	+	FSC	TO-220	NPN	100	1k @ 3A .38 .32 .30 .29
288471CG	TIP110	+	TO-220	NPN	60	1k @ 1A	.39 .36 .32 .27

◆ Jameco Value Offering

* 10 pcs. in Transistor cabinet kit, pg 44

NPN Bipolar Transistors

				Package (see pg 42)			
				* Minimum order 10 pieces			
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ Ic)	1 10 100 1000
288500CG	TIP111	+	TO-220	NPN	80	1k @ 1A	\$.45 \$.407 \$.37 \$.278
288518CG	TIP112	+	TO-220	NPN	100	1k @ 1A	.43 .37 .34 .24
32993CG	TIP120	* +	TO-220	NPN	60	1k @ 3A	.49 .45 .39 .27
179291CG	TIP120	+	FSC	TO-220	NPN	60	1k @ 3A .54 .47 .39 .29
288585CG	TIP121	+	TO-220	NPN	80	1k @ .5A	.37 .32 .27 .23
120416CG	TIP122	+	TO-220	NPN	100	1k @ 3A	.42 .37 .35 .26
179303CG	TIP122	+	FSC	TO-220	NPN	100	1k @ 3A .55 .42 .32 .195
254772CG	BD237	+	TO-126	NPN	80	40 @ .15A	.44 .40 .32 .24
254810CG	BC337	+	TO-92	NPN	45	100 @ .10A	* .174 .114 .058
211529CG	MJE340	+	TO-225	NPN	300	30 @ .05A	.27 .24 .21 .155
255994CG	BU406	+	TO-220	NPN	200	—	\$.89 .56 .468 .38 .266
272031CG	BU407	+	TO-220	NPN	150	—	.86 .78 .69 .58
254801CG	BC547B	+	TO-92	NPN	45	330 @ .002A	* .075 .067 .051
254799CG	BC547C	+	FSC	TO-92	NPN	45	600 @ .002A * .08 .075 .05
254781CG	BC548B	+	FSC	TO-92	NPN	30	110 @ .002A * .15 .086 .064
309825CG	BD681	+	TO-225	NPN	100	750 @ 2A	.49 .481 .285 .212
211553CG	MJE800	+	TO-225	NPN	60	750 @ 1.5A	.29 .27 .24 .21
213920CG	MMBT918	+	SOT-23	NPN	15	20 @ .003A	* .04 .03 .02
194327CG	2N2102	+	TO-39	NPN	65	40 @ .15A	.24 .22 .20 .18
38228CG	2N2219A	+	TO-39	NPN	40	100 @ .15A	.41 .37 .31 .28
94941CG	MMBT2222	+	SOT-23	NPN	30	100 @ .15A	* .06 .04 .03
26446CG	MPQ2222	+	DIP-14	NPN	40	100 @ .15A	2.79 2.52 2.29 2.13
26288CG	PN2222A	* +	TO-92	NPN	30	100 @ .15A	* .065 .041 .025
213938CG	MMBT2222A	+	SOT-23	NPN	40	100 @ .15A	* .04 .03 .022
213997CG	MMPQ2222A	+	SOIC-16	NPN	40	100 @ .15A	.94 .81 .71 .53
210673CG	MPS2222A	+	TO-92	NPN	40	40 @ .50A	* .057 .041 .034
178511CG	PN2222A	+	TO-92	NPN	40	100 @ .15A	* .13 .092 .051
38236CG	2N2222A	* +	TO-18	NPN	40	100 @ .15A	.39 .35 .29 .25
213946CG	MMBT2369A	+	SOT-23	NPN	15	40 @ .01A	* .021 .019 .018
26526CG	MPS2369	+	TO-92	NPN	15	20 @ .10A	* .052 .045 .034
38295CG	2N3053	* +	TO-39	NPN	40	25 @ .15A	.47 .43 .40 .37
211385CG	TIP3055	+	TO-218	NPN	60	5 @ .001A	1.05 .94 .76 .57
38308CG	2N3055	* +	TO-3	NPN	60	15 @ 10A	.95 .85 .72 .63
211406CG	2N3055A	+	TO-3	NPN	60	20 @ 4A	1.55 1.49 1.13 .98
25857CG	MJE3055T	+	TO-220	NPN	60	20 @ 4A	.53 .49 .45 .39
194415CG	2N3439	+	TO-39	NPN	350	40 @ .02A	.53 .50 .48 .36
209242CG	2N3771	+	TO-3	NPN	40	15 @ 15A	1.55 1.50 1.40 1.16
38324CG	2N3772	+	TO-3	NPN	40	15 @ 10A	2.49 2.05 1.79 1.15
140151CG	2N3773	+	TO-3	NPN	140	15 @ 8A	2.45 2.32 2.26 1.69
94967CG	MMBT3904	+	SOT-23	NPN	40	100 @ .01A	* .042 .034 .025
211351CG	MPS3904	+	TO-92	NPN	40	100 @ .001A	* .10 .06 .04
38359CG	2N3904	* +	TO-92	NPN	40	100 @ 0.01A	* .069 .057 .035
178597CG	2N3904	+	FSC	TO-92	NPN	40	100 @ .01A * .09 .06 .045
38404CG	2N4123	+	TO-92	NPN	30	25 @ .05A	* .10 .09 .067
214674CG	MMBT4124	+	SOT-23	NPN	25	60 @ .05A	* .024 .021 .019
62295CG	2N4124	+	TO-92	NPN	25	60 @ .05A	* .04 .03 .02
253411CG	2N4400	+	TO-92	NPN	40	50 @ .15A	* .042 .03 .022
214703CG	MMBT4401	+	SOT-23	NPN	40	80 @ .01A	* .05 .038 .029
38421CG	2N4401	* +	TO-92	NPN	40	100 @ .15A	* .08 .06 .05
211511CG	2N4410	+	TO-92	NPN	80	60 @ .01A	* .11 .08 .06
211490CG	2N4923	+	TO-225	NPN	80	30 @ .50A	.45 .40 .32 .28
310666CG	2N5038	+	TO-3	NPN	150	20 @ 12A	6.89 6.20 4.96 3.72
213971CG	MMBT5088	+	SOT-23	NPN	30	300 @ .01A	* .03 .025 .023
62316CG	2N5088	+	TO-92	NPN	30	300 @ .10A	* .05 .049 .037
214746CG	MMBT5089	+	SOT-23	NPN	25	400 @ .01A	* .024 .022 .02
62324CG	2N5089	+	TO-92	NPN	25	400 @ .10A	* .07 .048 .036
140373CG	2N5179	+	TO-72	NPN	12	25 @ .003A	.59 .56 .512 .482
253569CG	2N5550	+	TO-92	NPN	140	60 @ .010A	* .159 .105 .067
214771CG	MMBT5551	+	SOT-23	NPN	140	80 @ .01A	* .023 .021 .019
210657CG	2N5551	+	TO-92	NPN	160	80 @ .01A	* .05 .034 .026
209277CG	2N5657	+	TO-126	NPN	350	30 @ .10A	.26 .24 .22 .20
254764CG	2N5886	+	TO-3	NPN	80	20 @ 10A	2.29 2.09 2.02 1.73

◆ Jameco Value Offering FSC = Fairchild Semiconductor

* 10 pcs./** 100 pcs. in Transistor cabinet kit, pg 44 ◆ Blue Part No. = Limited Quantity Available

◆ RoHS compliant product ◆ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

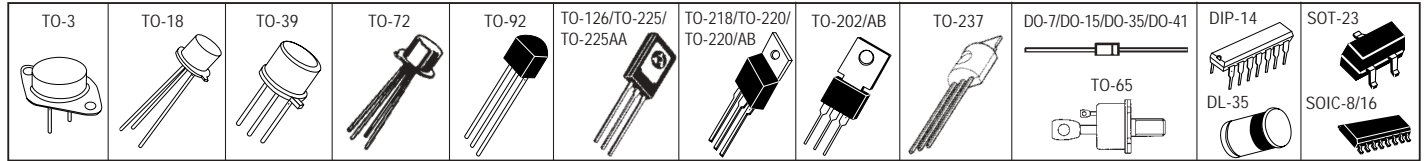
NPN & PNP Transistors

RoHS RoHS Compliant Product
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Details
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Page 1

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Manufacturer Cross Reference Table

Jameco Value Offering

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

NPN Bipolar Transistors (Continued)

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ I _C)	1	10	100	1000
194589CG	2N6045	+	TO-220	NPN	100	1k @ 3A	\$.37 \$.34	\$.29 \$.28		
194600CG	2N6059	+	TO-3	NPN	100	750 @ 6A	1.59	1.55	1.36	1.12
255011CG	2N6292	+	TO-220	NPN	70	30 @ 2A	\$.57 \$.52	\$.44 \$.33		
213989CG	MMBT6427	+	SOT-23	NPN	40	10k @ .01A	\$.03 \$.023	\$.022 \$.022		
255003CG	2N6427	+	TO-92	NPN	40	10k @ .01A	\$.21 \$.19	\$.15 \$.044		
288817CG	MPS6521	+	TO-92	NPN	25	300 @ 0.002A	\$.137 \$.11	\$.07 \$.07		
288833CG	MPS6531	+	TO-92	NPN	40	60 @ 0.01A	\$.21 \$.166	\$.076 \$.057		
194618CG	2N6547	+	TO-3	NPN	400	12 @ 5A	3.25	2.93	2.66	2.42
194626CG	2N6678	+	TO-3	NPN	400	8 @ 15A	6.79 6.11	4.89 3.67		
214025CG	MMPQ6700	+	SOIC-16	NPW/PNP40	70 @ .01A	\$.70 \$.63	\$.53 \$.40			
140134CG	2N6725	+	TO-237	NPN	50	25k @ .20A	\$.35 \$.32	\$.28 \$.26		
277771CG	MJE13005	+	TO-220	NPN	400	8 @ 2A	\$.90 \$.77	\$.61 \$.41		

◆ Jameco Value Offering

PNP Bipolar Transistors (Continued)

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ I _C)	1	10	100	1000
288542CG	TIP117	+	TO-220	PNP	100	1k @ 1A	\$.45 \$.35	\$.30 \$.22		
33013CG	TIP125	+	TO-220	PNP	60	1k @ 3A	\$.49 \$.45	\$.29 \$.26		
288606CG	TIP126	+	TO-220	PNP	80	1k @ .5A	\$.39 \$.35	\$.26 \$.19		
179320CG	TIP127	+	FSC TO-220	PNP	100	1k @ 3A	\$.45 \$.40	\$.32 \$.24		
277886CG	MJE172	+	TO-225	PNP	80	30 @ .50A	\$.35 \$.22	\$.202 \$.153		
277341CG	PN200	+	TO-92	PNP	45	100 @ .15A	\$.07 \$.05	\$.04 \$.04		
211537CG	MJE350	+	TO-225	PNP	300	30 @ .05A	\$.41 \$.37	\$.33 \$.29		
256073CG	BD438	+	TO-225	PNP	45	30 @ .01A	\$.43 \$.40	\$.35 \$.30		
256065CG	BD682	+	TO-225	PNP	100	750 @ 1.5A	\$.49 \$.29	\$.258 \$.232	\$.20 \$.20	
211545CG	MJE700	+	TO-225	PNP	60	750 @ 1.5A	\$.25 \$.22	\$.20 \$.17		
214658CG	MMBT2369	+	SOT-23	PNP	25	60 @ .05A	\$.04 \$.03	\$.025 \$.025		
194378CG	2N2905A	+	TO-39	PNP	60	100 @ .15A	\$.45 \$.43	\$.41 \$.31		
94959CG	MMBT2907	+	SOT-23	PNP	40	100 @ .15A	\$.22 \$.068	\$.041 \$.026		
26454CG	MPQ2907	+	DIP-14	PNP	40	100 @ .15A	2.19 1.85	1.35 .99		
28644CG	PN2907	+	TO-92	PNP	40	100 @ .15A	\$.125 \$.09	\$.045 \$.045		
213954CG	MMBT2907A	+	SOT-23	PNP	60	100 @ .01A	\$.03 \$.005	\$.038 \$.029		
214009CG	MMPQ2907A	+	SOIC-16	PNP	60	100 @ .01A	\$.34 \$.309	\$.278 \$.25		
211342CG	MPS2907A	+	TO-92	PNP	60	100 @ .15A	\$.057 \$.051	\$.038 \$.038		
178520CG	PN2907A	+	TO-92	PNP	60	100 @ .15A	\$.085 \$.077	\$.041 \$.041		
38279CG	2N2907A	+	TO-18	PNP	60	100 @ .15A	\$.32 \$.30	\$.28 \$.23		
211377CG	TIP2955	+	TO-218	PNP	60	5 @ .001A	\$.85 \$.75	\$.70 \$.60		
211502CG	MJ2955	+	TO-3	PNP	60	20 @ 4A	\$.69 \$.57	\$.448 \$.39		
25831CG	MJE2955T	+	TO-220	PNP	60	20 @ 4A	\$.58 \$.39	\$.375 \$.361	\$.272 \$.272	
62287CG	2N3905	+	TO-92	PNP	40	50 @ .01A	\$.10 \$.074	\$.04 \$.04		
94975CG	MMBT3906	+	SOT-23	PNP	40	100 @ .01A	\$.062 \$.037	\$.027 \$.027		
214017CG	MMPQ3906	+	SOIC-16	PNP	40	75 @ .01A	1.37 \$.99	\$.31 \$.28		
38375CG	2N3906	+	TO-92	PNP	40	100 @ .01A	\$.05 \$.04	\$.03 \$.03		
178618CG	2N3906	+	FSC TO-92	PNP	40	100 @ .01A	\$.046 \$.042	\$.033 \$.033		
194466CG	2N4033	+	TO-39	PNP	80	100 @ .10A	\$.62 \$.56	\$.45 \$.41		
214682CG	MMBT4126	+	SOT-23	PNP	25	60 @ .05A	\$.019 \$.017	\$.016 \$.016		
214623CG	2N4126	+	TO-92	PNP	25	60 @ .05A	\$.05 \$.04	\$.034 \$.034		
214720CG	MMBT4403	+	SOT-23	PNP	40	60 @ .001A	\$.045 \$.04	\$.036 \$.036		
38447CG	2N4403	+	TO-92	PNP	40	100 @ .15A	\$.05 \$.049	\$.036 \$.036		
277755CG	MJ4502	+	TO-3	PNP	90	25 @ 7.5A	2.45 2.30	2.25 2.20		
211465CG	2N4920	+	TO-225	PNP	80	30 @ .50A	\$.33 \$.307	\$.294 \$.279		
213962CG	MMBT5087	+	SOT-23	PNP	50	250 @ .01A	\$.02 \$.017	\$.016 \$.016		
210631CG	2N5087	+	TO-92	PNP	50	250 @ .10A	\$.07 \$.032	\$.024 \$.024		
253930CG	2N5400	+	TO-92	PNP	120	40 @ .010A	\$.09 \$.081	\$.07 \$.07		
214754CG	MMBT5401	+	SOT-23	PNP	150	40 @ .001A	\$.025 \$.022	\$.02 \$.02		
210649CG	2N5401	+	TO-92	PNP	150	60 @ .01A	\$.066 \$.05	\$.037 \$.037		
253438CG	2N5884	+	TO-3	PNP	80	4 @ 25A	2.29 2.15	1.64 1.23		
194571CG	2N6042	+	TO-220	PNP	100	1k @ 3A	\$.59 \$.47	\$.42 \$.35		
194597CG	2N6052	+	TO-3	PNP	100	750 @ 6A	1.75 1.69	1.64 1.47		
214025CG	MMPQ6700	+	SOIC-16	NPW/PNP40	70 @ .01A	\$.70 \$.63	\$.53 \$.40			
277798CG	MJE15029	+	TO-220	PNP	120	40 @ 2A	\$.69 \$.64	\$.54 \$.49		
277851CG	MJE15031	+	TO-220	PNP	150	40 @ 2A	\$.80 \$.73	\$.67 \$.61		

◆ Jameco Value Offering Blue Part No. = Limited Quantity Available

* 10 pcs. / ** 100 pcs. in Transistor cabinet kit, left

PNP Bipolar Transistors

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo} Min.	(h _{FE} @ I _C)	1	10	100	1000
33030CG	TIP30A	+	TO-220	PNP	60	15 @ 1A	\$.71 \$.35	\$.33 \$.311	\$.233 \$.233	
179346CG	TIP30C	+	FSC TO-220	PNP	100	15 @ 1A	\$.36 \$.327	\$.29 \$.21		
33064CG	TIP32A	+	TO-220	PNP	60	10 @ 3A	\$.37 \$.335	\$.285 \$.23		
181841CG	TIP32C	+	TO-220	PNP	100	10 @ 3A	\$.27 \$.24	\$.22 \$.165		
33101CG	TIP42A	+	TO-220	PNP	60	15 @ 3A	\$.42 \$.39	\$.36 \$.27		
139580CG	TIP42C	+	TO-220	PNP	100	15 @ 3A	\$.45 \$.30	\$.28 \$.25	\$.20 \$.20	
179389CG	TIP42C	+	FSC TO-220	PNP	100	15 @ 3A	\$.45 \$.41	\$.34 \$.25		
214906CG	MMBT455	+	SOT-23	PNP	60	100 @ .01A	\$.03 \$.027	\$.022 \$.022		
214914CG	MMBT456	+	SOT-23	PNP	80	100 @ .01A	\$.04 \$.036	\$.033 \$.033		
210606CG	MPSA56	+	TO-92	PNP	80	100 @ .10A	\$.06 \$.042	\$.025 \$.025		
214922CG	MMBT463	+	SOT-23	PNP	30	5k @ .01A	\$.024 \$.022	\$.02 \$.02		
288921CG	MPSA63	+	TO-92	PNP	30	10k @ .1A	\$.08 \$.058	\$.05 \$.05		
214931CG	MMBT464	+	SOT-23	PNP	30	10k @ .01A	\$.024 \$.022	\$.02 \$.02		
178554CG	MPSA92	+	TO-92	PNP	300	25 @ .003A	\$.108 \$.076	\$.052 \$.052		
214957CG	MMBT492	+	SOT-23	PNP	300	40 @ .01A	\$.033 \$.03	\$.028 \$.028		
288462CG	TIP105	+	TO-220	PNP	60	1k @ 3A	\$.50 \$.45	\$.40 \$.30		
32985CG	TIP106	+	TO-220	PNP	80	1k @ 3A	\$.80 \$.64	\$.58 \$.52	\$.442 \$.442	
179258CG	TIP107	+	TO-220	PNP	100	1k @ 3A	\$.55 \$.48	\$.39 \$.353	\$.255 \$.255	
288526CG	TIP115	+	TO-220	PNP	60	1k @ 1A	\$.31 \$.302	\$.294 \$.218		

◆ Jameco Value Offering FSC = Fairchild Semiconductor * 10 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319599CG),
20 clear plastic drawers (319601CG),
20 clear dividers (319610CG), pg 326 and
30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, 2N2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595CG	560 pcs. (20 types) NPN, PNP transistor kit	5.1	\$.82.95 \$.74.65	
130374CG	Refill for 82595CG (560 pcs.)	0.4	69.95 62.95	

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

J-FETs

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BVGs @ IG(μA)	IDSS (mA) @ VDS	1	10	100	1000
26403CG	MPF102⚡*	◆	TO-92	N-Ch	-25 @ -10	2 @ 15	* .155	.11	.08	
211393CG	J111⊕	◆	TO-92	N-Ch	-40 @ -1	20 @ 15	* .14	.12	.11	
140450CG	J112⊕	◆	TO-92	N-Ch	-40 @ -1	5 @ 15	* .09	.08	.073	
210622CG	2N3819⊕	◆	TO-92	N-Ch	-25 @ -1	2 @ 15	* .085	.059	.055	
253948CG	2N5457	◆	TO-92	N-Ch	-25 @ -10	1 @ 15 .....	.20	.18	.126	.102
253921CG	2N5458⊕	◆	TO-92	N-Ch	-25 @ -10	2 @ 15 .....	.29	.23	.19	.13
253884CG	2N5484⊕	◆	TO-92	N-Ch	-25 @ -1	1 @ 15	* .26	.18	.10	
253585CG	2N5485⊕	◆	TO-92	N-Ch	-25 @ -1	4 @ 15 .....	.24	.22	.17	.13
253577CG	2N5486	◆	TO-92	N-Ch	-25 @ -1	8 @ 15	* .23	.19	.14	
253542CG	2N5639⊕	◆	TO-92	N-Ch	-30 @ -10	25 @ 20	\$.24 .21	.149	.064	.058
38527CG	2N5951⚡*	◆	TO-92	N-Ch	-30 @ -1	7 @ 15 .....	.69	.64	.44	.39
140142CG	J176⊕	◆	TO-92	P-Ch	30 @ 1	-2 @ -15 .....	.33	.29	.21	.17
211414CG	J177⊕	◆	TO-92	P-Ch	30 @ 1	-1.5 @ -15 .....	.43	.38	.29	.20
253913CG	2N5460⊕	◆	TO-92	P-Ch	40 @ 10	-1 @ -15 .....	.37	.33	.27	.20
253905CG	2N5461	◆	TO-92	P-Ch	40 @ 10	-2 @ -15 .....	.32	.23	.20	.15
253892CG	2N5462⊕	◆	TO-92	P-Ch	40 @ 10	-4 @ -15	* .089	.081	.073	
◆ Jameco Value Offering * 10 pcs. in Transistor cabinet kit, pg 44 ⊕ Blue P/N = Limited Quantity Available										

◆ Jameco Value Offering *10 pcs. in Transistor cabinet kit, pg 44 ⚡ Blue P/N = Limited Quantity Available

N-Channel and P-Channel MOSFETs

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
669821CG	IRFD014	✦	DIP-4	N-Ch	60	1.7A \$35	\$33	\$31	\$28	
669839CG	IRFL014	✦	SOT-223	N-Ch	60	2.7A ..... .49	.41	.37	.31	
669847CG	IRLD014	✦	DIP-4	N-Ch	60	1.7A ..... .45	.36	.33	.29	
669855CG	IRLL014N	✦	SOT-223	N-Ch	55	2.8A ..... .55	.46	.33	.29	
669863CG	IRFBG20	✦	TO-220AB	N-Ch	1000	1.4A 1.17	.94	.84	.70	
669871CG	IRFZ24N	✦	TO-220AB	N-Ch	55	17A ..... .54	.43	.39	.33	
669880CG	IRLR024N	✦	TO-252AA	N-Ch	55	17A ..... .55	.50	.47	.43	
669898CG	IRLU024N	✦	TO-251AA	N-Ch	55	17A ..... .65	.53	.47	.38	
669901CG	IRLZ24N	✦	TO-220AB	N-Ch	55	18A ..... .53	.42	.37	.32	
669919CG	IRFBE30	✦	TO-220AB	N-Ch	800	4.1A 1.15	.90	.81	.67	
669927CG	IRFBG30	✦	TO-220AB	N-Ch	1000	3.1A 1.35	1.09	.96	.80	
669935CG	IRFZ34N	✦	TO-220AB	N-Ch	55	26A ..... .49	.39	.35	.29	
669943CG	IRLZ34N	✦	TO-220AB	N-Ch	55	30A ..... .57	.54	.50	.46	
669951CG	IRFZ44N	✦	TO-220AB	N-Ch	55	49A ..... .65	.51	.46	.39	
669960CG	IRFZ44NS	✦	D2-Pack	N-Ch	55	49A 1.05	.82	.58	.55	
669978CG	IRFZ46N	✦	TO-220AB	N-Ch	55	53A ..... .82	.78	.73	.59	
669986CG	IRFZ48N	✦	TO-220AB	N-Ch	55	64A ..... .82	.66	.59	.49	
669994CG	IRFD110	✦	DIP-4	N-Ch	100	1.0A ..... .47	.42	.35	.29	
670004CG	IRFL110	✦	SOT-223	N-Ch	100	1.5A ..... .45	.36	.32	.27	
670012CG	IRFD120	✦	DIP-4	N-Ch	100	1.3A ..... .66	.58	.52	.43	
670021CG	IRFR120N	✦	TO-252AA	N-Ch	100	9.4A ..... .45	.42	.39	.32	
670039CG	IRLD120	✦	DIP-4	N-Ch	100	1.3A ..... .45	.41	.38	.35	
670047CG	IRLR120N	✦	TO-252AA	N-Ch	100	10A ..... .69	.61	.51	.45	
256014CG	BSS138✎	✦	SOT-23	N-Ch	50	0.2A *	.08	.06	.05	
670055CG	IRFP150N	✦	TO-247	N-Ch	100	42A 1.35	.95	.79	.72	
256031CG	BS170✎	✦	TO-92	N-Ch	60	— *	.10	.07	.06	
670063CG	IRFL210	✦	SOT-223	N-Ch	200	0.96A ..... .39	.37	.32	.30	
670071CG	IRFR220N	✦	TO-252AA	N-Ch	200	5A ..... .59	.52	.49	.45	
670080CG	IRFP250	✦	TO-247	N-Ch	200	30A 1.49	1.39	1.25	.99	
670098CG	IRFP250N	✦	TO-247	N-Ch	200	30A 2.69	2.35	1.89	1.65	
670101CG	IRFP260N	✦	TO-247	N-Ch	200	50A 2.69	2.15	1.95	1.65	
670119CG	IRFR320	✦	TO-252AA	N-Ch	400	3.1A ..... .55	.49	.43	.41	
670127CG	IRFR420	✦	TO-252AA	N-Ch	500	2.4A ..... .69	.61	.43	.40	
670135CG	IRFP450	✦	TO-247	N-Ch	500	14A 2.05	1.65	1.49	1.25	
670143CG	IRFP460	✦	TO-247	N-Ch	500	20A 2.59	2.39	2.29	2.09	
209234CG	IRF510✎	✦	TO-220	N-Ch	100	5.6A ..... .69	.59	.55	.49	
209226CG	IRF520✎	✦	TO-220	N-Ch	100	10A ..... .56	.48	.45	.40	
209058CG	IRL520N✎	✦	TO-220	N-Ch	100	10A ..... .56	.52	.46	.39	
210500CG	IRF530✎	✦	TO-220	N-Ch	100	14A ..... .66	.57	.52	.49	
670151CG	IRF530N	✦	TO-220AB	N-Ch	100	17A ..... .59	.48	.37	.31	
670160CG	IRL530N	✦	TO-220AB	N-Ch	100	17A ..... .59	.47	.42	.35	

◆ Jameco Value Offering

⚡ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

⚡ RoHS compliant product ⚡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

N-Channel and P-Channel MOSFETs

Package (see pg 44)

* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc	BV _{DS}	Min. On-St.					
						DS Current	1	10	100	1000	
210518CG	IRF540	+	TO-220	N-Ch	100	27A	.....	\$.78	\$.63	\$.57	\$.48
670178CG	IRF540NS	+	D2-Pack	N-Ch	100	33A	.....	1.05	.90	.68	.64
670186CG	IRFI540N	+	TO-220	N-Ch	100	20A	.....	1.05	.80	.72	.61
670194CG	IRL540N	+	TO-220AB	N-Ch	100	30A	.....	.89	.83	.78	.72
670207CG	IRF610	+	TO-220AB	N-Ch	200	3.3A	.....	.49	.39	.35	.29
210526CG	IRF620	+	TO-220	N-Ch	200	6.0A	.....	.45	.42	.35	.32
670215CG	IRF624	+	TO-220AB	N-Ch	250	4.4A	.....	.65	.49	.45	.37
210534CG	IRF630	+	TO-220	N-Ch	200	9.0A	.....	.61	.55	.49	.36
210542CG	IRF640	+	TO-220	N-Ch	200	18A	.....	.69	.65	.57	.49
670223CG	IRF640NS	+	D2-Pack	N-Ch	200	18A	.....	1.19	.99	.88	.69
670231CG	IRF644	+	TO-220AB	N-Ch	250	14A	.....	.82	.73	.61	.54
670240CG	IRF720	+	TO-220AB	N-Ch	400	3.3A	.....	.56	.45	.41	.34
210551CG	IRF730	+	TO-220	N-Ch	400	5.5A	.....	.64	.62	.58	.43
210569CG	IRF740	+	TO-220	N-Ch	400	10A	.....	1.25	1.10	.89	.80
210577CG	IRF820	+	TO-220	N-Ch	500	4.0A	.....	.48	.46	.43	.32
210585CG	IRF830	+	TO-220	N-Ch	500	4.5A	.....	.65	.62	.59	.44
184719CG	IRF840	+	TO-220	N-Ch	500	8.0A	.....	1.28	1.05	.88	.50
670258CG	IRF1010E	+	TO-220AB	N-Ch	60	84A	.....	1.55	1.40	1.26	1.15
670266CG	IRF1010N	+	TO-220AB	N-Ch	55	85A	.....	1.19	1.14	1.09	.99
693695CG	IRF1010NL	+	TO-262	N-Ch	55	85A	.....	3.19	2.55	1.95	1.75
670274CG	IRF1310N	+	TO-220AB	N-Ch	100	42A	.....	1.29	1.03	.93	.78
670282CG	IRF1405	+	TO-220AB	N-Ch	55	169A	.....	3.19	2.86	2.39	1.85
670291CG	IRL2203N	+	TO-220AB	N-Ch	30	116A	.....	1.45	1.39	1.29	1.15
279460CG	VN2222LL	+	TO-92	N-Ch	60	.75A	.....	.23	.20	.16	.14
670303CG	IRLML2402	+	SOT-23	N-Ch	20	1.2A	.....	.22	.17	.15	.13
279486CG	VN2410L	+	TO-92	N-Ch	240	1.0A	.....	.35	.30	.25	.22
279478CG	VN2406L	+	TO-92	N-Ch	240	1.0A	.....	.55	.44	.34	.21
670311CG	IRLL2705	+	SOT-223	N-Ch	55	5.2A	.....	1.09	1.03	.89	.83
670320CG	IRLML2803	+	SOT-23	N-Ch	30	1.2A	.....	*	.15	.14	.13
670338CG	IRF2807	+	TO-220AB	N-Ch	75	82A	.....	1.95	1.75	1.55	1.43
670346CG	IRL2910	+	TO-220AB	N-Ch	100	55A	.....	1.89	1.79	1.63	1.43
618089CG	IRF3205	+	TO-220	N-Ch	55	110A	.....	2.39	1.75	1.45	1.26
670354CG	IRF3415	+	TO-220AB	N-Ch	150	43A	.....	1.45	1.15	1.05	.89
618071CG	IRL3705	+	TO-220	N-Ch	55	89A	.....	1.37	1.13	.90	.84
670362CG	IRF3710	+	TO-220AB	N-Ch	100	57A	.....	1.29	1.05	.93	.85
670371CG	IRFPS37N50A	+	Super-247	N-Ch	500	36A	.....	6.95	6.19	5.15	4.75
670389CG	IRFL4310	+	SOT-223	N-Ch	100	2.2A	.....	1.29	1.05	.77	.72
255020CG	SI4410DY	+	SOIC-8	N-Ch	30	20A	.....	.97	.87	.65	.488
255038CG	SI4420DY	+	SOIC-8	N-Ch	30	30A	.....	1.99	1.88	1.62	1.21
699894CG	SI4442DY	+	VSH SOIC-8	N-Ch	30	30A	.....	1.27	1.23	1.20	1.18
699907CG	SI4450DY	+	VSH SOIC-8	N-Ch	60	20A	.....	.91	.89	.86	.84
699915CG	SI4460DY	+	VSH SOIC-8	N-Ch	20	30A	.....	.93	.91	.88	.86
699940CG	SI4850EY	+	VSH SOIC-8	N-Ch	60	40A	.....	.91	.89	.86	.84
699958CG	SI4874DY	+	VSH SOIC-8	N-Ch	30	40A	.....	.95	.93	.90	.88
255071CG	SI4884DY	+	SOIC-8	N-Ch	30	40A	.....	.72	.64	.53	.43
670725CG	IRF7201	+	SOIC-8	N-Ch	30	10A	.....	.61	.58	.49	.41
670397CG	IRF7401	+	SOIC-8	N-Ch	20	10A	.....	.69	.62	.43	.41
670400CG	IRF7413	+	SOIC-8	N-Ch	30	12A	.....	1.09	.79	.59	.52
670418CG	IRF7455	+	SOIC-8	N-Ch	30	15A	.....	.95	.86	.72	.67
670426CG	IRF7811A	+	SOIC-8	N-Ch	28	11A	.....	.85	.77	.64	.59
670434CG	IRFD9120	+	DIP-4	N-Ch	100	1.4A	.....	.61	.58	.57	.54
178669CG	2N7000	+	FSC TO-92	N-Ch	60	0.2A	.....	.23	.13	.10	.095
119423CG	2N7000	+	TO-92	N-Ch	60	0.3A	.....	*	.11	.10	.09
210619CG	2N7002	+	SOT-23	N-Ch	60	0.5A	.....	*	.08	.06	.045
256057CG	BS250	+	TO-92	P-Ch	-45	—	.....	.37	.34	.30	.20
699878CG	SI4431ADY	+	VSH SOIC-8	P-Ch	-30	-7A	.....	.56	.54	.525	.510
814400CG	SI4431BDY	+	VSH SOIC-8	P-Ch	-30	-7A	.....	.44	.424	.412	.400
255046CG	SI4435DY	+	SOIC-8	P-Ch	-30	-40A	.....	.60	.496	.45	.388
255054CG	SI4463DY	+	SOIC-8	P-Ch	-20	-30A	.....	1.65	1.58	1.44	1.31
670442CG	IRF4905	+	TO-220AB	P-Ch	-55	-74A	.....	1.75	1.63	1.53	1.31
670451CG	IRF4905S	+	D2-Pack	P-Ch	-55	-74A	.....	2.15	1.65	1.39	1.19
670469CG	IRLML5103	+	SOT-23	P-Ch	-30	-0.76A	.....	*	.16	.15	.14
670477CG	IRF5210	+	TO-220AB	P-Ch	-100	-40A	.....	1.65	1.13	.99	.95
670485CG	IRF5305	+	TO-220AB	P-Ch	-55	-31A	.....	1.15	1.01	.82	.69

N-Channel & P-Channel MOSFETs (Cont'd) Package (see pg 47)

Part No.	Product No.	Mfr.	Pkg.	Desc.	Min. On-St.					
					BV _{DS}	DS Current	1	10	100	1000
670493CG	IRFR5305	◆	TO-252AA	P-Ch	-55	-31A ...	\$.79	\$.74	\$.70	\$.59
670506CG	IRFR5410	◆	TO-252AA	P-Ch	-100	-13A ....	.59	.50	.45	.37
670514CG	IRLML6302	◆	SOT-23	P-Ch	-20	-0.78A ...	.22	.17	.15	.13
670522CG	IRLML6401	◆	SOT-23	P-Ch	-12	-12A ....	.26	.21	.19	.16
670531CG	IRF7404	◆	SOIC-8	P-Ch	-20	-7.7A ...	.55	.49	.41	.38
670549CG	IRF7416	◆	SOIC-8	P-Ch	-30	-10A ...	1.05	.73	.60	.57
700091CG	SUB75P03-07▲	VSH	TO-263	P-Ch	-30	-120A	3.25	3.12	3.03	2.93
670557CG	IRFL9014	◆	SOT-223	P-Ch	-60	-19A ....	.79	.51	.39	.33
670565CG	IRFR9024	◆	TO-252AA	P-Ch	-60	-8.8A ...	.72	.63	.57	.47
670573CG	IRFR9024N	◆	TO-252AA	P-Ch	-55	-11A ....	.63	.51	.45	.38
670581CG	IRF9234N	◆	TO-220AB	P-Ch	-55	-1.8A ...	.70	.66	.62	.52
670590CG	IRFR9120	◆	TO-252AA	P-Ch	-100	-5.6A ....	.65	.59	.52	.43
670602CG	IRFR9120N	◆	TO-252AA	P-Ch	-100	-6.6A ....	.61	.43	.36	.33
670611CG	IRFR9220	◆	TO-252AA	P-Ch	-200	-3.6A ...	1.19	1.09	.90	.86
700040CG	SI9407AEY▲	VSH	SOIC-8	P-Ch	-60	-20A ....	.58	.56	.543	.529
700058CG	SI9435BDY▲	VSH	SOIC-8	P-Ch	-30	-20A ....	.46	.444	.431	.409
670629CG	IRF9520	◆	TO-220AB	P-Ch	-100	6A .....	.99	.92	.86	.77
670741CG	IRF9530	◆	TO-220AB	P-Ch	-100	-12A ....	.68	.55	.49	.41
670637CG	IRF9530N	◆	TO-220AB	P-Ch	-100	-14A ....	.79	.62	.55	.46
670645CG	IRF9540N	◆	TO-220AB	P-Ch	-100	-23A ...	1.05	.85	.76	.63
670653CG	IRF9640	◆	TO-220AB	P-Ch	-200	-11A ...	1.09	.94	.85	.70
699966CG	SI4920DY▲	VSH	SOIC-8	Dual N-Ch	30	20A ....	.91	.89	.86	.84
699974CG	SI4922DY▲	VSH	SOIC-8	Dual N-Ch	30	30A ...	1.89	1.83	1.78	1.74
699991CG	SI4936DY▲	VSH	SOIC-8	Dual N-Ch	30	20A ....	.73	.71	.69	.67
700015CG	SI4946EY▲	VSH	SOIC-8	Dual N-Ch	60	20A ...	1.11	1.08	1.05	1.02
700031CG	SI4966DY▲	VSH	SOIC-8	Dual N-Ch	20	20A ...	1.11	1.08	1.05	1.02

◆ Jameco Value Offering VSH = Vishay

Continued on next page.



Heat Sinks

NEW



Part No.	Product No.	Type	Size (L" x W" x H")	1	10	100	250
696600CG	507222B00000G	Dual TO-220	1.47 x 1.75 x .375	\$.45	\$.437	\$.424	\$.411
696618CG	529802B02500	TO-220	1.50 x 1.65 x 1.00	1.35	1.32	1.28	1.24
696626CG	530002B02500	TO-220	2.52 x 1.65 x 1.00	1.55	1.51	1.47	1.42
696693CG	573300D00000	SMD	0.50 x 1.03 x 0.40	.55	.534	.518	.503
696706CG	576802B04000	TO-220/TO-262	0.75 x 0.57 x 0.50	.49	.475	.461	.447
696714CG	577002B00000G	TO-220	0.75 x 0.52 x 0.25	.25	.242	.235	.228
696722CG	581002B02500G	TO-220	1.00 x 0.64 x 0.64	1.25	1.22	1.18	1.15
696731CG	6025B-TT	TO-220	1.25 x .875 x 0.25	1.55	1.51	1.47	1.42
696749CG	6025D	TO-220	1.25 x .875 x 0.25	.95	.93	.90	.87
696765CG	7109DG	SMD	.763 x 1.00 x 0.45	1.05	1.02	.99	.96

Heat Sink Mounting Kits

- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121CG	TO-220	5 pcs per kit	\$3.95	\$3.55	\$3.19
34139CG	TO-3	12 pcs per kit	3.95	3.59	3.25

◆ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Heat Sinks

A Jameco EXCLUSIVE






Our TO-3 & TO-220 heat sinks are made from black anodized aluminum (except for P/N 107297CG which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P/N 42622CG and 228005CG can be mounted vertically with solderable mounting tabs.









◆ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100	1000
326668CG	577500B00000	TO-126	—	.33	\$.295	\$.26	\$.25
326633CG	577304B00000	TO-202	0.52 x 0.38 x 0.75	.24	.23	.22	.207
326684CG	566010B03400	TO-218	1.00 x 0.51 x 1.22	.99	.89	.76	.57
326756CG	529801B02500	TO-218	1.64 x 0.98 x 1.51	1.02	.98	.83	.71
326772CG	530101B00150	TO-218	1.75 x 0.49x 1.75	1.11	1.09	.94	.79
320320CG	BK-ALU-0034-001	TO-220	1.80 x 1.50 x 0.40	.30	.285	.279	.209
326596CG	507302B00000	TO-220	0.75 x 0.38 x 0.74	.25	.23	.20	.18
326609CG	577002B00000	TO-220	0.51 x 0.25 x 0.75	.30	.23	.215	.20
326617CG	577102B00000	TO-220	0.52 x 0.37 x 0.75	.33	.293	.264	.238
326625CG	577202B00000	TO-220	0.51 x 0.49 x 0.75	.27	.23	.215	.20
326641CG	577002B04000	TO-220	0.53 x 0.50 x 0.76	.30	.277	.255	.24
326650CG	577102B04000	TO-220	0.52 x 0.38 x 0.75	.27	.261	.249	.24
326676CG	593002B03400	TO-220	—	.52	.482	.416	.31
326692CG	531002B05200	TO-220	1.38 x 0.50 x 1.00	.84	.75	.65	.495
326713CG	531102B02500	TO-220	1.38 x 0.50 x 1.51	.86	.80	.68	.58
326721CG	531202B00000	TO-220	1.38 x 0.50 x 2.00	.76	.72	.70	.60
326748CG	531202B02500	TO-220	1.37 x 0.49 x 2.00	.89	.86	.74	.62
326764CG	531302B02500	TO-220	1.38 x 0.50 x 2.50	.92	.90	.77	.65

Other Manufacturers — Great Deals

0.200" tabs (3) 

Part No.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100	1000
16512CG	DUDE4	TO-3	4.80 x 1.50 x 1.30	\$2.95	\$2.75	\$2.49	\$2.25
151547CG	635-125B2	TO-3	1.90 x 1.40 x 1.30	1.05	.92	.78	.70
189835CG	635-5B2	TO-3	1.90 x 1.40 x 0.50	.87	.79	.70	.65
70914CG	THM6106	TO-220	1.20 x 1.00 x 0.50	.35	.30	.28	.26
129242CG	THM6106	TO-220	1.20 x 1.00 x 0.50	.49	.45	.39	.35
42622CG	563002B00000	TO-220	1.20 x 1.00 x 0.50	.35	.30	.28	.26
228005CG	BK-T220	TO-220	1.20 x 1.00 x 0.50	.35	.30	.23	.18
40504CG	291-H-36AB	TO-220	0.90 x 1.00 x 0.40	.63	.57	.45	.37
158051CG	577102B00000	TO-220	0.75 x 0.52 x 0.38	.39	.35	.28	.21
70658CG	THM6073	TO-220	0.80 x 0.70 x 0.40	.29	.269	.26	.25
107297CG	PSC2-U (cup-style)	TO-220	0.80 x 1.00 x 0.40	.49	.44	.35	.26



Manufacturer Cross Reference Table

Jameco Value Offering 

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Vishay	VSH

N-Channel & P-Channel MOSFETs (Cont'd) Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	Min. On-St.					
					BV _{DS}	Current	1	10	100	1000
670661CG	IRF7103	◆	SOIC-8	Dual N-Ch	50	3A	.....\$ .43	\$.39	\$.32	\$.29
670670CG	IRF7303	◆	SOIC-8	Dual N-Ch	30	5.3A	......75	.66	.47	.45
670696CG	IRF7313	◆	SOIC-8	Dual N-Ch	30	6.5A	......85	.77	.64	.59
700066CG	SI9936BDY-E3	▲	SOIC-8	Dual N-Ch	30	40A	......58	.56	.543	.531
700074CG	SI9945AEY	▲	SOIC-8	Dual N-Ch	60	20A	......56	.54	.525	.512
699982CG	SI4925DY	▲	SOIC-8	Dual P-Ch	-30	-20A	......93	.91	.88	.86
700070CG	SI4943DY	▲	SOIC-8	Dual P-Ch	-20	-30A	.....1.95	1.89	1.84	1.79
700023CG	SI4948EY	▲	SOIC-8	Dual P-Ch	-60	-20A	......93	.91	.88	.86
670688CG	IRF7306	◆	SOIC-8	Dual P-Ch	-30	-4A	......75	.60	.42	.40
255089CG	SI4963DY	◆	SOIC-8	Dual P-Ch	-20	-20A	...1.09	1.08	1.07	1.06
670709CG	IRF7314	◆	SOIC-8	Dual P-Ch	-20	-5.3A	......82	.58	.48	.45
670733CG	IRF7105	◆	SOIC-8	Dual N/P Ch	25/-25	3.5/-2.3A	......35	.32	.30	.28
670717CG	IRF7309	◆	SOIC-8	Dual N/P Ch	30/-30	4.7/-3.5A	......73	.65	.46	.43

◆ Jameco Value Offering VSH = Vishay

▲ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Zener Diodes

Part No.	Product No.	Mfr.	Pkg.	V _{Znom}	Pwr Dissipation	10	100	500	1000
36290CG	1N751A	◆	DO-35	5.1V	0.5W	\$.05	\$.045	\$.03	\$.02
288665CG	MMSZ4697	◆	SOD-123	10V	0.5W	\$.108	\$.059	\$.05	\$.045
178765CG	1N4730A	◆	DO-41	3.9V	1W	\$.05	\$.035	\$.025	\$.022
178773CG	1N4732A	◆	DO-41	4.7V	1W	\$.088	\$.069	\$.056	\$.044
36097CG	1N4733A	◆	DO-41	5.1V	1W	\$.08	\$.065	\$.042	\$.026
178790CG	1N4734A	◆	DO-41	5.6V	1W	\$.038	\$.035	\$.032	\$.029
36118CG	1N4734A	◆	DO-41	5.6V	1W	\$.073	\$.055	\$.05	\$.045
178802CG	1N4735A	◆	DO-41	6.2V	1W	\$.049	\$.044	\$.04	\$.036
36126CG	1N4735A	◆	DO-41	6.2V	1W	\$.07	\$.045	\$.041	\$.035
178811CG	1N4737A	◆	DO-41	7.5V	1W	\$.04	\$.03	\$.024	\$.022
178829CG	1N4738A	◆	DO-41	8.2V	1W	\$.058	\$.035	\$.028	\$.025
178837CG	1N4739A	◆	DO-41	9.1V	1W	\$.057	\$.038	\$.032	\$.029
178845CG	1N4740A	◆	DO-41	10V	1W	\$.03	\$.027	\$.024	\$.022
36169CG	1N4742A	◆	DO-41	12V	1W	\$.06	\$.05	\$.04	\$.03
178861CG	1N4744A	◆	DO-41	15V	1W	\$.03	\$.027	\$.025	\$.021
36185CG	1N4744A	◆	DO-41	15V	1W	\$.058	\$.035	\$.026	\$.021
178888CG	1N4747A	◆	DO-41	20V	1W	\$.023	\$.022	\$.018	\$.015
178896CG	1N4748A	◆	DO-41	22V	1W	\$.032	\$.029	\$.027	\$.024
178909CG	1N4749A	◆	DO-41	24V	1W	\$.042	\$.039	\$.035	\$.032
183450CG	1N4750A	◆	DO-41	27V	1W	\$.022	\$.02	\$.018	\$.016
179004CG	1N5225B	◆	DO-35	3.0V	0.5W	\$.041	\$.025	\$.015	\$.014
288702CG	MMSZ5226B	◆	SOD-123	3.3V	0.5W	\$.051	\$.05	\$.047	\$.045
179039CG	1N5230B	◆	DO-35	4.7V	0.5W	\$.04	\$.032	\$.023	\$.02
179047CG	1N5231B	◆	DO-35	5.1V	0.5W	\$.04	\$.035	\$.03	\$.027
179063CG	1N5234B	◆	DO-35	6.2V	0.5W	\$.029	\$.026	\$.025	\$.024
313390CG	MMBZ5241B	◆	SOT-23	11V	0.35W	\$.115	\$.069	\$.059	\$.042
179098CG	1N5242B	◆	DO-35	12V	0.5W	\$.04	\$.036	\$.033	\$.03
179135CG	1N5250B	◆	DO-35	20V	0.5W	\$.025	\$.024	\$.023	\$.022
288788CG	MMSZ5257	◆	SOD-123	33V	0.5W	\$.116	\$.05	\$.044	\$.033

◆ Jameco Value Offering VSH = Vishay  Blue Part No. = Limited Quantity Available

*10 pcs. in Diode/Rectifier cabinet kit, pg 50

Small Signal Diodes

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Description	10	100	500	1000
655728CG	BAV20	◆	DO-35	200VRRM, 0.2A	\$.029	\$.017	\$.014	\$.013
655859CG	BAV21	◆	DO-35	250VRRM, 0.2A	\$.029	\$.017	\$.014	\$.013
655963CG	BAY71	◆	DO-35	50VRRM, 0.3A	\$.033	\$.017	\$.014	\$.013
655605CG	BAY72	◆	DO-35	125VRRM, 0.2A	\$.033	\$.017	\$.014	\$.013
655613CG	BAY73	◆	DO-35	125VRRM, 0.5A	\$.033	\$.017	\$.014	\$.013
656173CG	BAW74	◆	SOT-23	50VRRM, 0.2A	\$.057	\$.025	\$.023	\$.02
655939CG	1N456A	◆	DO-35	30VRRM, 0.5A	\$.029	\$.017	\$.014	\$.011
655998CG	FDLL457A	◆	LL-34	70VRRM, 0.2A	\$.034	\$.023	\$.02	\$.019
655971CG	1N457	◆	DO-35	70VRRM, 0.2A	\$.029	\$.017	\$.014	\$.012
655980CG	1N457A	◆	DO-35	70VRRM, 0.2A	\$.029	\$.017	\$.014	\$.012
655630CG	1N458A	◆	DO-35	150VRRM, 0.5A	\$.029	\$.017	\$.014	\$.012
655779CG	1N459	◆	DO-35	200VRRM, 0.5A	\$.029	\$.017	\$.014	\$.012
655787CG	1N459A	◆	DO-35	200VRRM, 0.5A	\$.031	\$.017	\$.014	\$.012
655841CG	1N486B	◆	DO-35	250VRRM, 0.2A	\$.035	\$.017	\$.014	\$.013
655331CG	FDLL914	◆	LL-34	100VRRM, 0.2A	\$.033	\$.017	\$.014	\$.013
655296CG	1N914A	◆	DO-35	100VRRM, 0.2A	\$.025	\$.015	\$.013	\$.009
655277CG	1N914B	◆	DO-35	100VRRM, 0.2A	\$.039	\$.017	\$.014	\$.012
655285CG	1N916	◆	DO-35	100VRRM, 0.2A	\$.025	\$.015	\$.013	\$.009
655293CG	1N916A	◆	DO-35	100VRRM, 0.2A	\$.033	\$.017	\$.014	\$.012
655306CG	1N916B	◆	DO-35	100VRRM, 0.2A	\$.025	\$.015	\$.013	\$.009
656106CG	MMBD1205	◆	SOT-23	100VRRM, 0.2A	\$.059	\$.025	\$.023	\$.02
656270CG	MMBD2838	◆	SOT-23	75VRRM, 0.2A	\$.057	\$.025	\$.023	\$.019
656018CG	1N3064	◆	DO-35	75VRRM, 0.3A	\$.019	\$.017	\$.014	\$.013
655761CG	1N3070	◆	DO-35	200VRRM, 0.5A	\$.033	\$.017	\$.014	\$.013
655314CG	FDLL4148	◆	LL-34	100VRRM, 0.2A	\$.029	\$.017	\$.014	\$.011
656202CG	MMBD4148C	◆	SOT-23	100VRRM, 0.2A	\$.058	\$.025	\$.023	\$.019
656296CG	MMBD4148SE	◆	SOT-23	100VRRM, 0.2A	\$.058	\$.025	\$.023	\$.019
655411CG	MMSD4148	◆	SOD-123	100VRRM, 0.6A	\$.059	\$.037	\$.03	\$.023
655390CG	1N4149	◆	DO-35	100VRRM, 0.3A	\$.019	\$.013	\$.009	\$.008
655955CG	1N4152	◆	DO-35	40VRRM, 0.2A	\$.028	\$.017	\$.014	\$.011
656026CG	1N4305	◆	DO-35	75VRRM, 0.3A	\$.019	\$.013	\$.008	\$.007
655322CG	FDLL4448	◆	LL-34	100VRRM, 0.2A	\$.039	\$.017	\$.014	\$.013
655242CG	1N4448	◆	DO-35	100VRRM, 0.2A	\$.019	\$.013	\$.008	\$.007
655795CG	1N4938	◆	DO-35	200VRRM, 0.5A	\$.035	\$.017	\$.014	\$.013

◆ Jameco Value Offering

Diodes

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Description	1	10	100	1000
140185CG	BAS16	◆	SOT-23	70PRV, 1A (Switching)	* \$.041	* \$.037	* \$.029	
655776CG	BAS19	◆	SOT-23	120VRM, 0.2A (Switching)	* \$.041	* \$.025	* \$.022	
655592CG	BAV19	◆	DO-35	120BV, 0.2A (General purpose)	* \$.033	* \$.017	* \$.014	
655875CG	BAS21	◆	SOT-23	250BV, 0.6A (General purpose)	* \$.054	* \$.025	* \$.023	
656350CG	BAV23S	◆	SOT-23	250VRRM, 0.2A (General purpose)	* \$.075	* \$.033	* \$.029	
656317CG	BAS31	◆	SOT-23	120BV, 0.2A (General purpose)	* \$.057	* \$.025	* \$.023	
254852CG	BAT54	◆	SOT-23	30PRV, 0.6A (Schottky)	* \$.12	* \$.09	* \$.067	
254844CG	BAT54A	◆	SOT-23	30PRV, 0.6A (Schottky)	* \$.05	* \$.03	* \$.027	
254836CG	BAT54C	◆	SOT-23	30PRV, 0.6A (Schottky)	* \$.18	* \$.13	* \$.097	
254828CG	BAT54S	◆	SOT-23	30PRV, 0.6A (Schottky)	* \$.21	* \$.075	* \$.05	* \$.04
140177CG	BAW56	◆	SOT-23	70PRV, 0.25A (Switching)	* \$.03	* \$.027	* \$.024	
656034CG	BAW62	◆	DO-35	75VRRM, 0.3A (Switching)	* \$.033	* \$.017	* \$.014	
140206CG	BAV70	◆	SOT-23	70PRV, 0.25A (Switching)	* \$.023	* \$.021	* \$.019	
656253CG	BAV74	◆	SOT-23	50BV, 0.2A (Ultrafast)	* \$.059	* \$.025	* \$.023	

◆ Jameco Value Offering

Diodes (Continued)

Package (see pg 47)

Part No.	Product No.	Mfr.	Pkg.	Description	* Minimum order 10 pieces			
					1	10	100	1000
140193CG	BAV99	◆	SOT-23	70PRV, 1A (Switching)	◆	◆	◆	◆
655808CG	BAV102	◆	LL-34	200BV, 0.5A (General purpose)	◆	◆	◆	◆
655867CG	BAV103	◆	LL-34	250BV, 0.5A (General purpose)	◆	◆	◆	◆
35941CG	1N270	◆	DO-7	80PRV (Germanium)	◆	◆	◆	◆
655648CG	FDH300	◆	DO-35	150BV, 0.5A (Low leakage)	◆	◆	◆	◆
655664CG	FDH333	◆	DO-35	150BV, 0.5A (Low leakage)	◆	◆	◆	◆
655816CG	FDH400	◆	DO-35	200BV, 0.5A (General purpose)	◆	◆	◆	◆
655069CG	FDH600	◆	DO-35	75BV, 0.4A (Ultrafast)	◆	◆	◆	◆
655904CG	FDH700	◆	DO-35	30BV, 0.15A (Ultrafast)	◆	◆	◆	◆
313402CG	MMBD914	◆	SOT-23	100 VRRM, 0.20A (Switching)	◆	◆	◆	◆
179207CG	1N914	◆	DO-35	100PRV (Switching)	◆	◆	◆	◆
36311CG	1N914	◆	DO-35	75PRV, 0.01A (Switching)	◆	◆	◆	◆
312101CG	MBR1100	◆	DO-41	100PRV, 1.0A (Schottky)	◆	◆	◆	◆
655365CG	MMBD1201	◆	SOT-23	100BV, 0.2A (Ultrafast)	◆	◆	◆	◆
656288CG	MMBD1203	◆	SOT-23	100BV, 0.2A (Ultrafast)	◆	◆	◆	◆
656190CG	MMBD1204	◆	SOT-23	100BV, 0.2A (Ultrafast)	◆	◆	◆	◆
656325CG	MMBD1403	◆	SOT-23	200BV, 0.2A (General purpose)	◆	◆	◆	◆
656211CG	MMBD1404	◆	SOT-23	200BV, 0.2A (General purpose)	◆	◆	◆	◆
655744CG	MMBD1501A	◆	SOT-23	200BV, 0.2A (Low leakage)	◆	◆	◆	◆
656245CG	MMBD1704A	◆	SOT-23	30BV, 0.05A (Low leakage)	◆	◆	◆	◆
656165CG	MMBD1705	◆	SOT-23	30BV, 0.05A (Low leakage)	◆	◆	◆	◆
179215CG	1N4148	◆	DO-35	100PRV (Switching)	◆	◆	◆	◆
36038CG	1N4148	◆	DO-35	75PRV, 0.01A (Switching)	◆	◆	◆	◆
151247CG	1N4148T	◆	DO-35	75PRV, 0.01A (Switching)	◆	◆	◆	◆
94908CG	LL4148	◆	SOD80	75PRV @ 50A, 10mA	◆	◆	◆	◆
656077CG	FDLL4150	◆	LL-34	75BV, 0.4A (Ultrafast)	◆	◆	◆	◆
656042CG	1N4150	◆	DO-35	75BV, 0.4A (Ultrafast)	◆	◆	◆	◆
656000CG	1N4151	◆	DO-35	75VRRM, 0.15A (Switching)	◆	◆	◆	◆
655947CG	1N4154	◆	DO-35	35BV, 0.3A (Switching)	◆	◆	◆	◆
313411CG	MMBD4148	◆	SOT-23	100VRRM, 0.20A (Gen. Purp.)	◆	◆	◆	◆
656051CG	1N4454	◆	DO-35	75BV, 0.4A (Ultrafast)	◆	◆	◆	◆
656309CG	MMBD7000	◆	SOT-23	100BV, 0.2A (Ultrafast)	◆	◆	◆	◆

◆ Jameco Value Offering VSH = Vishay † Prepackaged: order in increments of 100
* 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 50 # Taped-ammo style: order in increments of 1000

Transient Voltage Suppressors

Part No.	Product No.	Watts	Pkg.	Min. Brkdw Volt. (V _{BR})	Stand-Off Voltage	* Minimum order 10 pieces			
						1	10	100	1000
254879CG	SA6.0A	500	DO-15	6.67	6.0	◆	◆	◆	◆
256701CG	SA12A	500	DO-15	13.3	12.0	◆	◆	◆	◆
254991CG	SA12CA	500	DO-15	13.3	12.0	◆	◆	◆	◆
254983CG	SA13A	500	DO-15	14.4	13	◆	◆	◆	◆
254975CG	SA15A	500	DO-15	16.7	15	◆	◆	◆	◆
254967CG	SA20A	500	DO-15	22.2	20	◆	◆	◆	◆
254916CG	SA24A	500	DO-15	26.7	24	◆	◆	◆	◆
254908CG	SA28A	500	DO-15	31.1	28	◆	◆	◆	◆
254895CG	SA30A	500	DO-15	33.3	30	◆	◆	◆	◆
254887CG	SA30CA	500	DO-15	33.3	30	◆	◆	◆	◆
256663CG	P6KE6.8A	600	DO-15	6.45	5.8	◆	◆	◆	◆
256647CG	P6KE7.5A	600	DO-15	7.13	6.4	◆	◆	◆	◆
256639CG	P6KE9.1A	600	DO-15	8.65	7.8	◆	◆	◆	◆
288999CG	P6KE10A	600	DO-15	9.5	8.55	◆	◆	◆	◆
288981CG	P6KE10CA	600	DO-15	9.5	8.55	◆	◆	◆	◆

Transient Voltage Suppressors

DO-15/41 DO-214AB

Part No.	Product No.	Watts	Pkg.	Min. Brkdw Volt. (V _{BR})	Stand-Off Voltage	* Minimum order 10 pieces			
						1	10	100	1000
289035CG	P6KE12A	600	DO-15	11.4	10.2	◆	◆	◆	◆
289043CG	P6KE12CA	600	DO-15	11.4	10.2	◆	◆	◆	◆
255943CG	P6KE16A	600	DO-15	15.2	13.6	◆	◆	◆	◆
255935CG	P6KE16CA	600	DO-15	15.2	13.6	◆	◆	◆	◆
255919CG	P6KE18A	600	DO-15	17.1	15.3	◆	◆	◆	◆
255901CG	P6KE18CA	600	DO-15	17.1	15.3	◆	◆	◆	◆
255863CG	P6KE20A	600	DO-15	19.0	17.1	◆	◆	◆	◆
272102CG	P6KE22A	600	DO-15	20.9	18.8	◆	◆	◆	◆
255855CG	P6KE24A	600	DO-15	22.8	20.5	◆	◆	◆	◆
255847CG	P6KE24CA	600	DO-15	22.8	20.5	◆	◆	◆	◆
255821CG	P6KE27A	600	DO-15	25.7	23.1	◆	◆	◆	◆
255812CG	P6KE27CA	600	DO-15	25.7	23.1	◆	◆	◆	◆
255804CG	P6KE30A	600	DO-15	28.5	25.6	◆	◆	◆	◆
255791CG	P6KE30CA	600	DO-15	28.5	25.6	◆	◆	◆	◆
255783CG	P6KE33A	600	DO-15	31.4	28.2	◆	◆	◆	◆
255775CG	P6KE33CA	600	DO-15	31.4	28.2	◆	◆	◆	◆
255767CG	P6KE36A	600	DO-15	34.2	30.8	◆	◆	◆	◆
255759CG	P6KE39A	600	DO-15	37.1	33.3	◆	◆	◆	◆
255741CG	P6KE39CA	600	DO-15	37.1	33.3	◆	◆	◆	◆
256698CG	P6KE47A	600	DO-15	44.7	40.2	◆	◆	◆	◆
256680CG	P6KE47CA	600	DO-15	44.7	40.2	◆	◆	◆	◆
256671CG	P6KE51A	600	DO-15	48.5	43.6	◆	◆	◆	◆
256655CG	P6KE68A	600	DO-15	64.6	58.1	◆	◆	◆	◆
256621CG	P6KE91A	600	DO-15	86.5	77.8	◆	◆	◆	◆
288956CG	P6KE100A	600	DO-15	95	85.5	◆	◆	◆	◆
316849CG	P6KE100CA	600	DO-15	95	85.5	◆	◆	◆	◆
255951CG	P6KE150CA	600	DO-15	143.0	128	◆	◆	◆	◆
255927CG	P6KE180A	600	DO-15	171.0	154	◆	◆	◆	◆
255871CG	P6KE200A	600	DO-15	190.0	171	◆	◆	◆	◆
255839CG	P6KE250CA	600	DO-15	237.0	214	◆	◆	◆	◆
313146CG	SMCJ5.0A	1500	DO-214AB	6.4	5	◆	◆	◆	◆
313120CG	SMCJ5.0CA	1500	DO-214AB	6.4	5	◆	◆	◆	◆
313103CG	SMCJ6.0A	1500	DO-214AB	6.67	6	◆	◆	◆	◆
313218CG	SMCJ10A	1500	DO-214AB	11.1	10	◆	◆	◆	◆
313234CG	SMCJ10CA	1500	DO-214AB	11.1	10	◆	◆	◆	◆
313200CG	SMCJ20A	1500	DO-214AB	22.2	20	◆	◆	◆	◆
313197CG	SMCJ20CA	1500	DO-214AB	22.2	20	◆	◆	◆	◆
313171CG	SMCJ24A	1500	DO-214AB	26.7	24	◆	◆	◆	◆
313189CG	SMCJ24CA	1500	DO-214AB	26.7	24	◆	◆	◆	◆
313162CG	SMCJ36A	1500	DO-214AB	40	36	◆	◆	◆	◆
313154CG	SMCJ36CA	1500	DO-214AB	40	36	◆	◆	◆	◆
313082CG	SMCJ58CA	1500	DO-214AB	64.4	58	◆	◆	◆	◆
618118CG	1N5908	1500	DO-41	6.0	—	◆	◆	◆	◆

Troubleshooting & Repairing Consumer Electronics without a Schematic

TAB Publishing Learn how to locate, test, and repair defective components in audio amplifiers, car radios, cassette decks, TV chassis, compact disc players, power supplies, AM/FM receivers and VCRs. (475 pages, 1997)

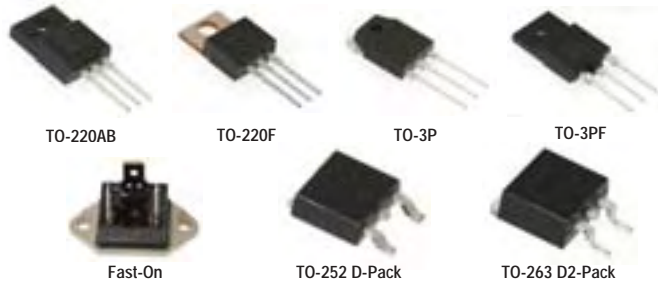
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Part No.	Description	Price
136080CG	Troubleshooting & Repairing	\$24.95
































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


















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SanRex® Through Hole - Standard Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657037CG	TMG5C60 	TO-220AB	Non-isolated 5A, 600V	\$1.30	\$1.13	\$.88
657045CG	TMG5C80 	TO-220AB	Non-isolated 5A, 800V	1.39	1.27	1.13
657053CG	TMG8C60 	TO-220AB	Non-isolated 8A, 600V .....	.79	.74	.69
657061CG	TMG8C80 	TO-220AB	Non-isolated 8A, 800V	1.49	1.38	1.23
657070CG	TMG10C60 	TO-220AB	Non-isolated 10A, 600V	1.44	1.29	1.17
657088CG	TMG10C80 	TO-220AB	Non-isolated 10A, 800V .....	.67	.63	.58
657096CG	TMG12C60 	TO-220AB	Non-isolated 12A, 600V .....	.90	.84	.77
657109CG	TMG12C80 	TO-220AB	Non-isolated 12A, 800V	1.00	.93	.86
657117CG	TMG16C60 	TO-220AB	Non-isolated 16A, 600V	1.02	.95	.87
657125CG	TMG16C80 	TO-220AB	Non-isolated 16A, 800V	1.02	.95	.87
657133CG	TMG20C60 	TO-220AB	Non-isolated 20A, 600V	1.29	1.19	1.09
657150CG	TMG3C60F 	TO-220F	Isolated 3A, 600V .....	.97	.86	.78
657176CG	TMG5C60F 	TO-220F	Isolated 5A, 600V .....	.85	.80	.74
657184CG	TMG5C80F 	TO-220F	Isolated 5A, 800V	1.49	1.37	1.23
657192CG	TMG8C60F 	TO-220F	Isolated 8A, 600V .....	.81	.76	.71
657205CG	TMG8C80F 	TO-220F	Isolated 8A, 800V	1.65	1.49	1.34
657213CG	TMG10C60F 	TO-220F	Isolated 10A, 600V	1.55	1.40	1.27
657221CG	TMG10C80F 	TO-220F	Isolated 10A, 800V .....	.90	.84	.78
657256CG	TMG16C60F 	TO-220F	Isolated 16A, 600V	1.43	1.25	.97
657264CG	TMG16C80F 	TO-220F	Isolated 16A, 800V .....	.98	.92	.85
657272CG	TMG20C60F 	TO-220F	Isolated 20A, 600V	1.42	1.32	1.24
657310CG	TMG16C60L 	TO-3P	Non-isolated 16A, 600V	4.05	3.58	3.31
657328CG	TMG16C80L 	TO-3P	Non-isolated 16A, 800V	3.25	2.85	2.45
657336CG	TMG25C60L 	TO-3P	Non-isolated 25A, 600V	4.05	3.58	3.31
657344CG	TMG25C80L 	TO-3P	Non-isolated 25A, 800V	3.25	2.85	2.45
657352CG	TMG16C60J 	TO-3PF	Isolated 16A, 600V	4.05	3.58	3.31
657361CG	TMG16C80J 	TO-3PF	Isolated 16A, 800V	3.25	2.85	2.45
657379CG	TMG25C60J 	TO-3PF	Isolated 25A, 600V	4.05	3.58	3.31
657387CG	TMG25C80J 	TO-3PF	Isolated 25A, 800V	3.25	2.85	2.45






SanRex® Through Hole - Sensitive Gate Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657395CG	TMG5D60 	TO-220AB	Non-isolated 5A, 600V	\$1.70	\$1.65	\$1.61
657424CG	TMG8D80 	TO-220AB	Non-isolated 8A, 800V	1.31	1.15	.89
657432CG	TMG10D60 	TO-220AB	Non-isolated 10A, 600V .....	.81	.74	.67
657459CG	TMG12D60 	TO-220AB	Non-isolated 12A, 600V	1.59	1.40	1.09
657483CG	TMG16D80 	TO-220AB	Non-isolated 16A, 800V	1.02	.95	.87
657491CG	TMG20D60 	TO-220AB2	Non-isolated 20A, 600V	1.42	1.32	1.24
657539CG	TMG3D60F 	TO-220F	Isolated 3A, 600V	1.27	1.16	1.04
657555CG	TMG5D60F 	TO-220F	Isolated 5A, 600V	1.45	1.29	1.00
657571CG	TMG8D60F 	TO-220F	Isolated 8A, 600V .....	.83	.76	.70
657598CG	TMG10D60F 	TO-220F	Isolated 10A, 600V	1.44	1.29	1.17
657619CG	TMG12D60F 	TO-220F	Isolated 12A, 600V .....	.82	.75	.68
657635CG	TMG16D60F 	TO-220F	Isolated 16A, 600V .....	.98	.90	.80
657643CG	TMG16D80F 	TO-220F	Isolated 16A, 800V .....	.98	.92	.86
657651CG	TMG20D60F 	TO-220F	Isolated 20A, 600V	1.42	1.32	1.24
657694CG	TMG16D60L 	TO-3P	Non-isolated 16A, 600V	4.05	3.58	3.31
657707CG	TMG16D80L 	TO-3P	Non-isolated 16A, 800V	3.25	2.85	2.45
657715CG	TMG25D60L 	TO-3P	Non-isolated 25A, 600V	4.05	3.58	3.31
657723CG	TMG25D80L 	TO-3P	Non-isolated 25A, 800V	3.25	2.85	2.45
657731CG	TMG16D60J 	TO-3PF	Isolated 16A, 600V	4.05	3.58	3.31
657740CG	TMG16D80J 	TO-3PF	Isolated 16A, 800V	3.25	2.85	2.45
657758CG	TMG25D60J 	TO-3PF	Isolated 25A, 600V	4.05	3.58	3.31
657766CG	TMG25D80J 	TO-3PF	Isolated 25A, 800V	3.25	2.85	2.45





* For cross references to Littelfuse, ST, and ON-Semi products, refer to datasheets @ Jameco.com.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)






SanRex® Surface Mount Device - Standard Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657774CG	TMG3C60D 	TO-252 D-Pack	Non-isolated 3A, 600V	\$1.13	\$1.09	\$.76
657791CG	TMG5C60D 	TO-252 D-Pack	Non-isolated 5A, 600V	1.13	.99	.76
657838CG	TMG8C60H 	TO-263 D2-Pack	Non-isolated 8A, 600V	1.47	1.24	1.04
657871CG	TMG12C60H 	TO-263 D2-Pack	Non-isolated 12A, 600V .....	.71	.65	.59
657897CG	TMG16C60H 	TO-263 D2-Pack	Non-isolated 16A, 600V	1.42	1.32	1.24









SanRex® Surface Mount Device - Sensitive Gate Triacs

Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
657918CG	TMG2D60D 	TO-252 D-Pack	Non-isolated 2A, 600V	\$1.16	\$1.02	\$.77
657926CG	TMG2D80D 	TO-252 D-Pack	Non-isolated 2A, 800V .....	.96	.80	.64
657934CG	TMG3D60D 	TO-252 D-Pack	Non-isolated 3A, 600V	1.16	1.02	.77
658056CG	TMG16D60H 	TO-263 D2-Pack	Non-isolated 16A, 600V	1.42	1.32	1.24

SanRex® Surface Mount Device - $T_J = 150^\circ$ Triacs

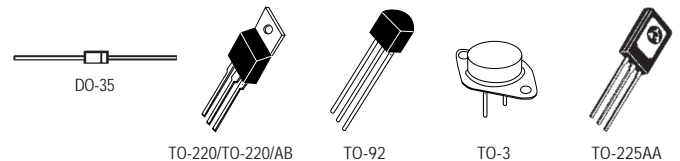
Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
664616CG	TMG2CQ60D 	TO-252 D-Pack	Non-isolated 3A, 600V	\$1.16	\$1.02	\$.77
658072CG	TMG2DQ60D 	TO-252 D-Pack	Non-isolated 2A, 600V	1.16	1.02	.77
658081CG	TMG3CQ60D 	TO-252 D-Pack	Non-isolated 3A, 600V	1.16	1.02	.77
658099CG	TMG3DQ80D 	TO-252 D-Pack	Non-isolated 3A, 800V	1.16	1.02	.77
658128CG	TMG8CQ60H 	TO-263 D2-Pack	Non-isolated 8A, 600V	1.47	1.24	1.04

SanRex® Fast-On Package Triacs



















Part No.	Product No. *	Pkg.	Rating (X_{DRM} , $I_{T(RMS)}$)	1	10	100
658187CG	TG25E40 	Fast-On	Isolated 25A, 400V	\$5.99	\$5.29	\$4.89
658195CG	TG25E60 	Fast-On	Isolated 25A, 600V	5.99	5.29	4.89
658208CG	TG35E40 	Fast-On	Isolated 35A, 400V	7.29	6.44	5.95
658216CG	TG35E60 	Fast-On	Isolated 35A, 600V	7.29	6.44	5.95
658241CG	TG25F40 	Fast-On	Isolated 25A, 400V	5.99	5.29	4.89
658259CG	TG25F60 	Fast-On	Isolated 25A, 600V	5.99	5.29	4.89
658267CG	TG35F40 	Fast-On	Isolated 35A, 400V	7.29	6.44	5.95
658275CG	TG35F60 	Fast-On	Isolated 35A, 600V	7.29	6.44	5.95

* For cross references to Littelfuse, ST, and ON-Semi products, refer to datasheets.

Diacs/Triacs/Quadracs

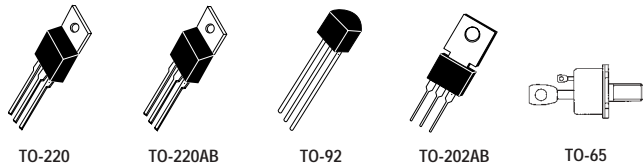


* Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Type	Rating	1	10	100
160098CG	HT-32 	TEC	DO-35	Diac	27.37 V _{BO} , 2A	* \$1.16	\$1.06	
31819CG	SC146B 	♦	TO-220	Triac	200 V _{DRM} , 10A (2N6342) ..	1.99	1.15	.99
31827CG	SC146M 	♦	TO-220	Triac	600 V _{DRM} , 10A (2N6344) ..	1.29	1.69	1.49
160178CG	L401E3 	TEC	TO-92	Triac	400 V _{DRM} , 1A .....	.63	.56	.51
220468CG	L4004F31 	TEC	TO-220AB	Triac	400 V _{DRM} , 4A .....	.69	.68	.67
160186CG	L4004F51 	TEC	TO-220AB	Triac	400 V _{DRM} , 4A	\$1.85 .76	.69	.63
220450CG	L4004L3 	TEC	TO-220AB	Triac	400 V _{DRM} , 4A	1.09	.99	.90
160240CG	Q4004LT 	TEC	TO-220AB	Quadrac	400 V _{DRM} , 4A	1.05	.96	.87
160207CG	Q4008L4 	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	\$1.19 1.05	.94	.86
220492CG	Q4008R4 	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	\$1.95 .80	.71	.68
139336CG	Q4015L5 	♦	TO-220AB	Triac	400 V _{DRM} , 15A	1.55	1.36	1.25
160143CG	Q4025L6 	TEC	TO-220AB	Triac	400 V _{DRM} , 25A	1.69	1.51	1.40
160215CG	Q6008L5 	TEC	TO-220AB	Triac	600 V _{DRM} , 8A	\$1.09 .98	.86	.80
160231CG	Q6015L5 	TEC	TO-220AB	Triac	600 V _{DRM} , 15A	1.59	1.44	1.08
220513CG	Q6025P5 	TEC	TO-3	Triac	600 V _{DRM} , 25A	6.45	5.81	5.29
220505CG	Q6025R6 	TEC	TO-220AB	Triac	600 V _{DRM} , 25A	\$2.25 1.89	1.66	1.55
220521CG	Q6035P5 	TEC	TO-3	Triac	600 V _{DRM} , 35A	6.65	5.88	5.44
140425CG	2N6071A 	♦	TO-225AA	Triac	200 V _{DRM} , 4A .....	.29	.27	.25

♦ Jameco Value Offering TEC = Teccor

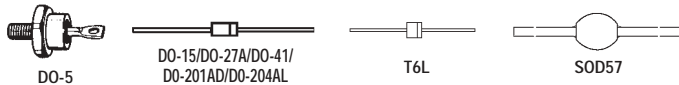
Silicon Controlled Rectifiers (SCRs)



Part No.	Product No.	Mfr.	Pkg.	Rating	* Minimum order 10 pieces			
					1	10	100	1000
14859CG	C38M	+	TO-65	600 PRV, 35A (2N3899)	\$6.89	\$6.19	\$5.59	\$5.05
14736CG	C106B1*	+	TO-202	200 PRV, 4A (2N6239)	.67	.54	.46	.40
14752CG	C122B	+	TO-220	200 PRV, 8A†	.73	.66	.63	.52
14761CG	C122M	+	TO-220	600 PRV, 8A†	1.35	1.25	1.05	.69
220484CG	EC103B	+	TO-92	200 V _{DRM} , 0.8A	\$.26 .22	.198	.178	.16
220530CG	T106B1	+	TO-202AB	200 V _{DRM} , 4A	.36	.324	.30	.285
160119CG	T106D1	+	TO-202AB	400 V _{DRM} , 4A	.39	.349	.319	.287
119802CG	2N5060	+	TO-92	25 PRV, 0.8A	.19	.19	.15	.12
211422CG	2N5061	+	TO-92	60 PRV, 0.8A	.14	.13	.11	
120070CG	2N5062	+	TO-92	100 PRV, 0.8A	.13	.12	.11	
211431CG	2N5064	+	TO-92	200 PRV, 0.8A	.18	.16	.14	
140417CG	2N6507	+	TO-220AB	400 PRV, 25A	.83	.75	.63	.56
220548CG	S4025L	TEC	TO-220AB	400 V _{DRM} , 25A	1.49	1.42	1.34	1.30
160135CG	S6025L	TEC	TO-220AB	600 V _{DRM} , 25A	1.42	1.28	1.15	1.04

† Isolated + Jameco Value Offering TEC = Teccor * 10 pcs. in Diode/Rectifier cabinet kit, below

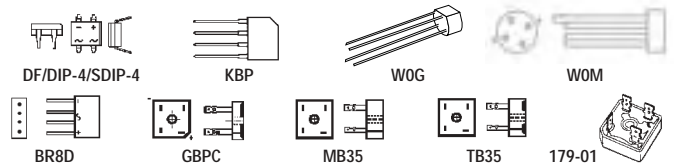
Rectifiers



Part No.	Product No.	Mfr.	Pkg.	Rating	* Minimum order 10 pieces			
					1	10	100	1000
177754CG	T6A05L	+	T6L	50 PIV, 6A	\$.36	\$.32	\$.288	\$.265
177762CG	T6A10L	+	T6L	100 PIV, 6A	.75	.65	.55	.45
177818CG	T6A100L	+	T6L	1000 PIV, 6A	.80	.72	.65	.49
618100CG	MBR745	+	TO-220	35 V _{RRM} , 7.5A	.56	.49	.437	.393
301444CG	MBR1060	+	TO-220	60 V _{RRM} , 10A	.63	.56	.48	.43
35924CG	1N1188	+	DO-5	400 PRV, 35A	4.49	4.45	4.14	3.28
645706CG	MBR1645	+	TO-220	45 V _{RRM} , 16A	.85	.74	.63	.56
618097CG	MBR2535CR	+	TO-220	35 V _{RRM} , 30A	.85	.78	.71	.67
35975CG	1N4001	+	DO-41	50 PRV, 1A	.04	.028	.017	
76961CG	1N4002	+	DO-41	100 PRV, 1A	.04	.028	.017	
76970CG	1N4003	+	DO-41	200 PRV, 1A	.04	.028	.017	
35991CG	1N4004	+	DO-41	400 PRV, 1A	.04	.028	.017	
76988CG	1N4005	+	DO-41	600 PRV, 1A	.04	.028	.017	
76996CG	1N4006	+	DO-41	800 PRV, 1A	.04	.028	.017	
36011CG	1N4007	+	DO-41	1000 PRV, 1A	.04	.03	.021	
227846CG	1N5059	+	SOD57	200 V _R , 2A	.054	.049	.044	
227854CG	1N5060	+	SOD57	400 V _R , 2A	.08	.07	.052	
227862CG	1N5061	+	SOD57	600 V _R , 2A	.09	.08	.06	
227871CG	1N5062	+	SOD57	800 V _R , 2A	.26	.24	.20	
77075CG	1N5400	+	DO-27A	50 PRV, 3A	.10	.098	.074	
36249CG	1N5401	+	DO-27A	100 PIV, 3A	.09	.076	.051	
77083CG	1N5402	+	DO-27A	200 PRV, 3A	.10	.075	.059	
36265CG	1N5404	+	DO-27A	400 PRV, 3A	.10	.09	.057	
36273CG	1N5408	+	DO-27A	1000 PRV, 3A	.15	.11	.08	
177949CG	1N5817	+	DO-204AL	20 PIV, 1A	.12	.09	.078	
177957CG	1N5818	+	DO-204AL	30 PIV, 1A	.07	.058	.052	
177965CG	1N5819	+	DO-204AL	40 PIV, 1A	.10	.085	.075	
177973CG	1N5820	+	DO-201AD	20 PIV, 3A	.14	.125	.112	
177981CG	1N5821	+	DO-201AD	30 PIV, 3A	.16	.13	.10	
177990CG	1N5822	+	DO-201AD	40 PIV, 3A	.21	.18	.168	.134
618062CG	40CP0060	+	TO-247AC	60 V _{RRM} , 40A (Schottky)	2.25	1.45	1.32	1.22

+ Jameco Value Offering * 10 pcs./ ** 100 pcs. in Diode/Rectifier cabinet kit, right

Bridge Rectifiers



Part No.	Product No.	Mfr.	Pkg.	Rating	1 10 100 1000			
					1	10	100	1000
178001CG	DF005M	+	DF	50 PIV, 1A	\$.35	\$.30	\$.22	\$.13
255960CG	DF005S	+	SDIP-4	50 PIV, 1A	.25	.23	.21	.16
103000CG	DF01M	+	DF	100 PIV, 1A	.30	.26	.21	.17
103042CG	DF02M	+	DF	200 PIV, 1A	.35	.30	.22	.13
102971CG	DF04M	+	DF	400 PIV, 1A	.37	.32	.23	.17
103034CG	DF06M	+	DF	600 PIV, 1A	.40	.31	.27	.24
103026CG	DF10M	+	DF	1000 PIV, 1A	.30	.27	.23	.15
256559CG	DF10S	+	SDIP-4	1000 PIV, 1A	.32	.29	.23	.17
256604CG	DF01S	+	SDIP-4	100 PIV, 1.5A	.23	.22	.21	.20
256591CG	DF02S	+	SDIP-4	200 PIV, 1.5A	.31	.28	.22	.165
256583CG	DF04S	+	SDIP-4	400 PIV, 1.5A	.24	.22	.17	.13
256575CG	DF08M	+	DIP-4	800 PIV, 1.5A	.35	.30	.25	.18
256567CG	DF08S	+	SDIP-4	800 PIV, 1.5A	.26	.24	.22	.165
145429CG	KBP02M	+	KBP	200 PIV, 1.5A	.40	.35	.29	.19
119562CG	KBP04M	+	KBP	400 PIV, 1.5A	.48	.45	.35	.25
279494CG	W005G	+	WOG	50 PIV, 1.5A	.38	.32	.27	.19
103018CG	W02G	+	WOG	200 PIV, 1.5A	.47	.39	.34	.21
102980CG	W04G	+	WOG	400 PIV, 1.5A	.44	.39	.35	.30
102998CG	W06G	+	WOG	600 PIV, 1.5A	.43	.41	.33	.245
179469CG	W08G	+	WOG	800 PIV, 1.5A	.35	.32	.26	.18
279515CG	W10G	+	WOG	1000 PIV, 1.5A	.42	.40	.33	.22
178124CG	W005M	+	WOM	50 PIV, 1.5A	.29	.24	.19	.13
178132CG	W01M	+	WOM	100 PIV, 1.5A	.36	.27	.20	.17
178141CG	W02M	+	WOM	200 PIV, 1.5A	.38	.33	.28	.19
178175CG	W08M	+	WOM	800 PIV, 1.5A	.35	.29	.257	.16
178183CG	BR805D	+	BR8D	50 PIV, 2A	.55	.49	.39	.35
178204CG	BR82D	+	BR8D	200 PIV, 2A	.85	.77	.69	.62
178247CG	BR810D	+	BR8D	1000 PIV, 2A	.59	.49	.39	.35
253260CG	2KBP06M	+	KBP	600 PIV, 2A	.48	.42	.37	.25
253286CG	2KBP10M	+	KBP	1000 PIV, 2A	.40	.35	.29	.24
179477CG	GBPC25-01	+	GBPC	100 PIV, 25A	2.29	1.86	1.53	1.22
179485CG	GBPC25-02	+	GBPC	200 PIV, 25A	3.25	2.69	2.25	1.65
178280CG	MB254	+	MB35	400 PIV, 25A	2.35	2.10	1.90	1.70
178415CG	MB354	+	MB35	400 V _{RRM} , 12A	2.95	2.65	2.39	2.15
178335CG	TB252	+	TB35	200 PIV, 25A	2.09	1.85	1.69	1.50
25574CG	MDA990-3	+	179-01	200 PIV, 30A	3.99	3.45	2.99	1.85
25591CG	MDA990-6	+	179-01	600 PIV, 30A	4.59	4.29	3.99	3.59
299882CG	GBPC1204	+	GBPC	400 V _{RRM} , 12A	2.99	2.67	1.89	1.15
299874CG	GBPC1206	+	GBPC	600 V _{RRM} , 12A	3.15	2.67	1.95	1.46
299866CG	GBPC1206W	+	GBPC-W	600 V _{RRM} , 12A	1.89	1.55	1.10	1.04
178431CG	MB358	+	MB35	800 PIV, 35A	3.59	3.29	2.75	1.85
178503CG	TB3510	+	TB35	1000 PIV, 35A	3.25	2.65	2.40	2.15

+ Jameco Value Offering * 10 pcs. in Diode/Rectifier cabinet kit, below

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Diode/Rectifier Assortment Cabinet Kit

 420 pcs. (15 types) Diodes, Zener Diodes,
 Switching and Silicon Rectifiers

Includes:

 20 drawer component cabinet (319599CG),
 20 clear plastic drawers (319601CG),
 20 clear dividers (319610CG), pg 326 and
 30 adhesive labels for drawers to identify parts in kit

 10 each: 1N270, 1N751A, 1N3600, 1N4001, 1N4007, 1N4733A,
 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M
 100 each: 1N914, 1N4004, 1N4148

Part No.	Description	Wt. (lbs.)	1	10
82587CG	420 pcs. (15 types) diode kit	5.0	\$39.95	\$35.95
130366CG	Refill for 82587CG (420 pcs.)	0.3	25.95	22.30



SAVE 16%

Optoisolators

* Minimum order 10 pieces



NEW

Quantity SAVE

Part No.	Cross Ref.	Package	Description	1	10	100
40985CG	4N25	DIP-6	Diode, NPN phototransistor	.22	.18	.16
671808CG	4N25	SOIC-6	General purpose phototransistor	.28	.212	.118
41005CG	4N26	DIP-6	Diode, NPN phototransistor	.25	.22	.18
671816CG	4N26	SOIC-6	General purpose phototransistor	.26	.212	.119
144240CG	4N27	DIP-6	Diode, NPN phototransistor	.24	.20	.15
41013CG	4N28	DIP-6	Diode, NPN phototransistor	.46	.372	.279
277421CG	4N29	DIP-6	General purpose photodarlington	.25	.21	.158
277456CG	4N30	DIP-6	General purpose photodarlington	.26	.216	.185
320565CG	4N31	DIP-6	General purpose photodarlington	.30	.273	.205
41021CG	4N32	DIP-6	Diode, NPN photodarlington	.26	.24	.21
671824CG	4N32	SOIC-6	GAAS IRED and phototransistor	.45	.344	.192
41030CG	4N33	DIP-6	Diode, NPN photodarlington	.25	.24	.22
41056CG	4N35	DIP-6	Diode, NPN phototransistor	.24	.216	.213
671832CG	4N35	SOIC-6	General purpose phototransistor	.26	.202	.113
277464CG	4N36	DIP-6	General purpose phototransistor	*	.17	.151
320371CG	4N37	DIP-6	General purpose phototransistor	.27	.264	.227
671841CG	4N37	SOIC-6	General purpose phototransistor	.28	.212	.119
277481CG	4N38	DIP-6	High-voltage phototransistor	.51	.43	.323
277499CG	4N39	DIP-6	Photo SCR optocoupler	.86	.78	.70
277510CG	6N135	DIP-8	High-speed transistor optocoupler	.63	.54	.405
42471CG	6N136	DIP-8	High speed transistor optocoupler	.52	.473	.415
113911CG	6N137	DIP-8	High-speed logic optocoupler	.59	.50	.42
42489CG	6N138	DIP-8	Low input curr., hi-gain split darlington	.73	.62	.467
113929CG	6N139	DIP-8	High-speed, high-gain darlington	.75	.64	.51
320389CG	CNY17-1	DIP-6	High BVceo phototransistor	.26	.225	.153
320397CG	CNY17-2	DIP-6	High BVceo phototransistor	.27	.191	.143
320400CG	CNY17-3	DIP-6	High BVceo phototransistor	.26	.191	.153
320418CG	CNY17-4	DIP-6	High BVceo phototransistor	.26	.191	.153
277516CG	H11A1	DIP-6	General purpose phototransistor	.27	.22	.20
18825CG	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor	.54	.46	.345
277587CG	H11A2	DIP-6	General purpose phototransistor	.30	.21	.158
320434CG	H11AA2	DIP-6	AC input phototransistor optocoupler	.35	.286	.26
277595CG	H11A3	DIP-6	General purpose phototransistor	.26	.22	.165
320442CG	H11AA3	DIP-6	AC input phototransistor optocoupler	.34	.274	.249
281201CG	H11A4	DIP-6	General purpose phototransistor	.34	.29	.218
320451CG	H11AA4	DIP-6	AC input phototransistor optocoupler	.38	.307	.286
320426CG	H11A5	DIP-6	General purpose phototransistor	.30	.183	.168
320573CG	H11B1	DIP-6	Photodarlington optocoupler	.28	.24	.18
320581CG	H11B2	DIP-6	Photodarlington optocoupler	.30	.224	.168
320602CG	H11B3	DIP-6	Photodarlington optocoupler	.36	.31	.233
18833CG	H11C3	DIP-6	Photo SCR optocoupler	.89	.74	.61
320493CG	H11D1	DIP-6	High voltage phototransistor	.57	.382	.361
320514CG	H11D2	DIP-6	High voltage phototransistor	.44	.37	.344
320522CG	H11D3	DIP-6	High voltage phototransistor	.48	.41	.308
113996CG	H11F1	DIP-6	Isolated FET	1.79	1.52	1.16
320186CG	H11F2	DIP-6	Photo FET optocouplers	1.75	1.49	1.12
320194CG	H11F3	DIP-6	Photo FET optocouplers	1.59	1.30	1.19
277712CG	H11G1	DIP-6	High-voltage photodarlington	.45	.448	.33
277721CG	H11G2	DIP-6	High-voltage photodarlington	.38	.34	.294
277747CG	H11G3	DIP-6	High-voltage photodarlington	.67	.57	.428
113988CG	H11L1	DIP-6	Schmitt trigger output photocoupler	.55	.50	.49
320207CG	H11L2	DIP-6	Photo FET optocouplers	.71	.59	.48
320215CG	H11L3	DIP-6	Photo FET optocouplers	.65	.55	.413
138069CG	ISP817-3	DIP-4	Low power transistor output	.99	.84	.63
114083CG	ISO203	DIP-16	Quad channel NPN phototransistor	2.95	2.66	1.99
320477CG	MCT2	DIP-6	Phototransistor optocoupler	.42	.316	.24
24918CG	MCT6	DIP-8	Dual channel NPN phototransistor	.56	.52	.47
672317CG	MCT61	DIP-8	Dual channel NPN phototransistor	.41	.324	.269
672325CG	MCT62	DIP-8	Dual channel NPN phototransistor	.48	.315	.286
672333CG	MCT9001	DIP-8	Dual channel NPN phototransistor	.54	.44	.333

Optoisolators (Continued)

NEW

Quantity SAVE

Part No.	Cross Ref.	Package	Description	1	10	100
672245CG	MOC205	SOIC-8	Optocoupler phototransistor	.55	.416	.233
672253CG	MOC206	SOIC-8	Optocoupler phototransistor	.41	.299	.233
672261CG	MOC207	SOIC-8	Optocoupler phototransistor	.34	.274	.227
672270CG	MOC208	SOIC-8	Optocoupler phototransistor	.39	.398	.278
672288CG	MOC215	SOIC-8	Optocoupler phototransistor	.48	.324	.278
672296CG	MOC216	SOIC-8	Optocoupler phototransistor	.41	.299	.184
672309CG	MOC217	SOIC-8	Optocoupler phototransistor	.55	.423	.232
26278CG	MOC3010	DIP-6	Bilateral triac driver	.56	.52	.345
95020CG	MOC3011	DIP-6	Bilateral triac driver	.68	.51	.388
277763CG	MOC3012	DIP-6	Random phase triac driver	.65	.49	.378
671859CG	MOC3012	SOIC-6	Random phase triac driver	.48	.481	.298
277780CG	MOC3020	DIP-6	Random phase triac driver	.52	.398	.31
671867CG	MOC3020	SOIC-6	Random phase triac driver	.45	.382	.224
95038CG	MOC3021	DIP-6	Bilateral triac driver	.46	.39	.29
671875CG	MOC3021	SOIC-6	Random phase triac driver	.45	.382	.224
277801CG	MOC3022	DIP-6	Random phase triac driver	.44	.398	.299
671883CG	MOC3022	SOIC-6	Random phase triac driver	.45	.382	.224
277819CG	MOC3023	DIP-6	Random phase triac driver	.38	.349	.294
671904CG	MOC3023	SOIC-6	Random phase triac driver	.45	.382	.291
26294CG	MOC3031	DIP-6	Zero crossing triac driver	.55	.457	.45
113953CG	MOC3032	DIP-6	Zero crossing triac driver	.61	.52	.47
277827CG	MOC3033	DIP-6	Zero crossing triac driver	.64	.62	.60
277835CG	MOC3041	DIP-6	Zero crossing triac driver	.69	.61	.458
113961CG	MOC3042	DIP-6	Zero crossing triac driver	.65	.55	.413
277843CG	MOC3043	DIP-6	Zero crossing triac driver	.59	.53	.46
277860CG	MOC3051	DIP-6	Random phase triac driver	.69	.66	.60
277894CG	MOC3052	DIP-6	Random phase triac driver	.57	.55	.52
277915CG	MOC3061	DIP-6	Zero crossing phototriac driver	.64	.59	.50
277931CG	MOC3062	DIP-6	Zero crossing phototriac driver	.69	.59	.443
133874CG	MOC3063	DIP-6	Zero crossing triac driver	.63	.54	.42
672165CG	MOC3081	DIP-6	Zero cross triac driver	.90	.76	.55
320629CG	MOC3082	DIP-6	Zero crossing optoisolator	1.00	.81	.63
320611CG	MOC3083	DIP-6	Zero crossing optoisolator	.98	.83	.62
672181CG	MOC3163	DIP-6	Zero cross phototriac driver	1.25	1.01	.72
672190CG	MOC8101	DIP-6	Optocoupler phototransistor	.47	.359	.201
672202CG	MOC8102	DIP-6	Optocoupler phototransistor	.39	.372	.236
672211CG	MOC8103	DIP-6	Optocoupler phototransistor	.39	.324	.201
672229CG	MOC8104	DIP-6	Optocoupler phototransistor	.22	.224	.202
672237CG	MOC8106	DIP-6	Optocoupler phototransistor	.43	.323	.181
672106CG	MOC8111	DIP-6	Phototransistor, no base	.25	.216	.151
672122CG	MOC8112	DIP-6	Phototransistor, no base	.25	.208	.16
672131CG	MOC8113	DIP-6	Phototransistor, no base	.25	.216	.151
672093CG	MOC8020	DIP-6	Photodarlington optocoupler	.44	.374	.223
672069CG	MOC8021	DIP-6	Photodarlington optocoupler	.53	.398	.223
672157CG	MOC8030	DIP-6	Photodarlington optocoupler	.39	.29	.235
672149CG	MOC8050	DIP-6	Photodarlington optocoupler	.54	.448	.268
320653CG	PS2501-1	DIP-4	Single transistor photocoupler	.20	.19	.185
671912CG	PS2501L-1	SOP-4	Single transistor photocoupler	.32	.274	.235
320661CG	PS2501-2	DIP-8	Single transistor photocoupler	.51	.459	.418
671921CG	PS2501L-2	SOP-8	Single transistor photocoupler	.64	.65	.47
160338CG	PS2501-4	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
671939CG	PS2501L-4	SOP-16	Single transistor photocoupler	1.21	1.04	.89
320688CG	PS2502-1	DIP-4	Darlington photocoupler	.41	.39	.353
320696CG	PS2502-2	DIP-8	Darlington photocoupler	1.18	.96	.87
160362CG	PS2502-4	DIP-16	Photo darlington & transistor/detector	1.75	1.61	1.39
672034CG	PS2503-1	SOP-4	Diode, NPN phototransistor	.76	.71	.428
672000CG	PS2503L-1	SOP-4	High speed switching photocoupler	.81	.64	.59
672042CG	PS2503-2	SOP-8	Diode, NPN phototransistor	1.20	1.04	.88
672018CG	PS2503L-2	SOP-8	High speed switching photocoupler	1.23	1.04	.90
672051CG	PS2503-4	SOP-15	Diode, NPN phototransistor	2.19	1.94	1.60
672026CG	PS2503L-4	SOP-16	High speed switching photocoupler	2.25	2.03	1.62
320709CG	PS2505-1	DIP-4	High isolation voltage photocoupler	.33	.32	.302
671947CG	PS2505L-1	SOP-4	High isolation voltage photocoupler	.38	.323	.277
320717CG	PS2505-2	DIP-8	High isolation voltage photocoupler	.79	.76	.69
671955CG	PS2505L-2	SOP-8	High isolation voltage photocoupler	1.00	.86	.74

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Optoisolators (Continued)

NEW

Part No.	Cross Ref.	Package	Description	1	10	100
320725CG	PS2505-4	DIP-16	High isolation voltage photocoupler	\$1.29	\$1.18	\$1.06
671971CG	PS2505L-4	SOP-16	High isolation voltage photocoupler	1.65	1.49	1.19
320750CG	PS2506-1	DIP-4	High isolation voltage photocoupler .....	.54	.51	.462
320784CG	PS2532-1	DIP-4	High collector to high emitter volt. photocoupler .....	.54	.46	.345
320792CG	PS2532-2	DIP-8	High collector to high emitter volt. photocoupler	1.09	.98	.90
320805CG	PS2532-4	DIP-16	High collector to high emitter volt. photocoupler	1.95	1.87	1.73
320813CG	PS2561-1	DIP-4	High isolation voltage photocoupler .....	.23	.22	.21
320821CG	PS2561-2	DIP-8	High isolation voltage photocoupler .....	.75	.71	.68
320830CG	PS2561-4	DIP-16	High isolation voltage photocoupler	2.29	1.95	1.46
671980CG	PS2561L-4	SOP-4	High isolation voltage photocoupler39	.351	.294

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Slotted Optical Switches

Quantity SAVE

4-pin w/ tab



4-pin w/o tab



Part No.	Cross Ref.	Package	Description	1	10	100
114091CG	H21A1	4-pin w/ tab	Single channel slotted interrupter	\$.69	\$.64	\$.56
278011CG	H21A2	4-pin w/ tab	Phototransistor optical interrupter .....	.99	.71	.58
320901CG	H21A3	4-pin w/ tab	Phototransistor optical switch .....	.70	.61	.47
278070CG	H21B1	4-pin w/ tab	Photodarlington optical interrupter .....	.76	.70	.53
278088CG	H21B2	4-pin w/ tab	Photodarlington optical interrupter	1.09	.98	.74
278096CG	H21B3	4-pin w/ tab	Photodarlington optical interrupter	1.27	1.08	.81
114104CG	H22A1	4-pin w/o tab	Slotted optical switch .....	.61	.51	.462
278029CG	H22A2	4-pin w/o tab	Slotted optical switch	1.15	1.05	.93
278045CG	H22A3	4-pin w/o tab	Slotted optical switch .....	.74	.63	.47
278109CG	H22B1	4-pin w/o tab	Photodarlington optical interrupter .....	.68	.58	.54
278117CG	H22B2	4-pin w/o tab	Photodarlington optical interrupter .....	.87	.71	.64
196058CG	ITR-8105	4-pin w/o tab	Slotted optical switch .....	.48	.42	.38

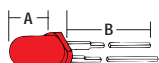


Fig. 1

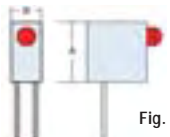


Fig. 2

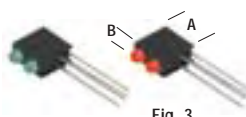


Fig. 3

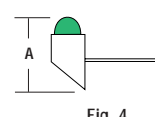


Fig. 4



Fig. 5



Fig. 6

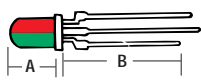


Fig. 7

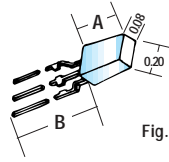


Fig. 8

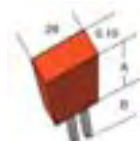


Fig. 9

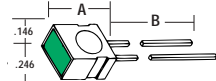


Fig. 10

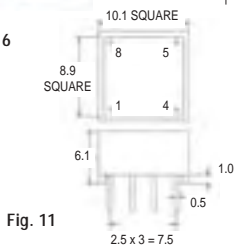


Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15

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* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A*	B*						1	10	100	1000
333219CG	LY12340	1	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	* .08	.063	.06	
334211CG	LA16BY	2	Yellow	Yellow diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	.26	.241	.124	.093
34657CG	LY2040	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	* .13	.11	.075	
333885CG	UT6331-4	1	Yellow	Yellow diffused	T1	0.119/3	0.17	0.98	0.10	2.1	24	589	55	* .088	.069	.049	
333294CG	LVY2643-1	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	350	595	40	.21	.184	.147	.11
206480CG	LVY2041	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	* .14	.12	.10	
235424CG	LA45B/2I	3	Red	Red diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	12	630	50	.49	.45	.39	.29
136282CG	LA44B/2I	3	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.39	.36	.312	.234
333868CG	UT6341R-41	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.17	1.00	0.10	2.1	35	630	55	* .098	.06	.045	
333366CG	LHRF2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	630	40	.22	.20	.16	.12
333198CG	LE12340	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	635	112	* .091	.072	.054	
333171CG	HLMP-K155-JV	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	* .079	.078	.057	
333851CG	UT6371-41-M1	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	* .098	.064	.061	
333251CG	LSR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	120	660	40	* .167	.109	.082	
333260CG	LHR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	.24	.162	.129	.097
206498CG	LHR2041	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	* .15	.12	.09	
334203CG	LA16B/H	2	Red	Red diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	4.2	697	50	* .14	.11	.083	
94529CG	LH2040	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	* .19	.15	.12	
114673CG	LH2043	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	* .19	.15	.12	
94553CG	LHG2062	1	Red/Green	White diffused bi-color/bi-state ¹	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.21	.16
333391CG	UT6341-41	1	Orange	Orange diffused	T1	0.119/3	0.17	0.94	0.10	2.1	35	630	55	* .138	.11	.082	
333833CG	L112340	1	Orange	Red diffused	T1	0.119/3	0.16	0.98	0.10	1.7	6.5	635	112	* .102	.072	.054	
34606CG	LSG2040	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	* .15	.11	.08	
333201CG	LG12340	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	* .08	.063	.06	
211087CG	LG2040	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	36	* .11	.094	.071	
334220CG	LA16B/G	2	Green	Green diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	15	565	50	.32	.287	.146	.109
235416CG	LA45B/2G	3	Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	.66	.59	.54	.48

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 60













































¹ Reverse polarity to change color

Mounting Hardware listed on pages 57-60

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
136274CG	LA44B/2G 	3	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	\$.54	\$.49	\$.39	\$.34
333315CG	MV7441-JV 	1	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	.21	.187	.149	.112
175679CG	LVG2041 	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.07	.06	.05
114681CG	LVG2043 	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.09	.07	.055
137411CG	LVB2040 	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	2.09	1.91	1.66	1.57
334457CG	LSBI2640 	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	—	.75	.63	.60	.58
333383CG	UT63B1-41-M1A2 	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.75	.72	.68	.66
34825CG	LY3330 	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	*	.19	.15	.12
104264CG	LA93B/Y-1 	4	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.05	0.89	0.08	2.3	25	585	46	.28	.24	.205	.154
334406CG	LY9033 	5	Yellow	Water clear	T1 3/4	0.197/5	0.05	0.27	0.03	1.7	30	585	20	.20	.185	.176	.132
334107CG	UT1831-81-S 	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	*	.098	.064	.061
333964CG	UT1834-81-S 	1	Yellow	Yellow Clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	55.8	589	22	*	.098	.069	.049
334385CG	UT1833-81-M181 	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	450	590	10	*	.11	.064	.048
333622CG	LHY3330/HO 	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	.25	.24	.154	.116
334377CG	UT1841R-81 	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.098	.064	.061
334060CG	UT1841R-81-S 	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	23.1	630	44	*	.098	.085	.064
333921CG	UT1844R-81-S 	1	Hi-eff Red	Red clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	78.8	630	22	*	.098	.069	.049
334271CG	LA93B/I 	4	Hi-eff Red	Red diffused PCB mount indicators	T1 3/4	0.197/5	0.36	0.15	0.10	1.7	25	635	46	.30	.23	.165	.123
34711CG	LEG3362 	1	Red/Green	White diffused bi-color/bi-state ¹	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.33	.28	.22	.19
333973CG	UT1871-81-M1 	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.098	.064	.061
334115CG	UT1872-81-M1 	1	Red	White diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	75	660	25	*	.146	.116	.087
333454CG	LSR3330/HO/A 	1	Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.5	140	660	40	*	.14	.128	.113
333462CG	LHR3330/HO/A 	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	220	660	40	*	.14	.132	.099
334035CG	UT1871-81-UR-P18 	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	250	660	25	*	.098	.082	.078
333489CG	LUR3330/HO/A 	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	380	660	40	.20	.174	.146	.104
94511CG	LH3330 	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	*	.17	.13	.10
104248CG	LA93B/H-1 	4	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	*	.23	.19	.17
34745CG	LH3333 	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	*	.15	.11	.065
334174CG	LHI3360 	6	Red/Orange	Red diffused bi-color/solid state ¹	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 3.0	697/635	30	.25	.213	.128	.096
334182CG	LGH3362 	6	Red/Green	White diffused bi-color/solid state ¹	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.23	.222	.146	.104
34673CG	LHG3392 	7	Red/Green	White diffused bi-color/tri-state ¹	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.24	.22	.20	.14
334051CG	UT1841-81-S 	1	Orange	Orange diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.15	.12	.09
333243CG	UT2462-24-D51 	7	Orange/Green	White diffused bi-color/tri-state ¹	T1 3/4	0.197/5	0.30	0.80	0.10	2.1	11.7	630/572	70	.26	.238	.136	.102
107393CG	LE3330 	1	Orange Red	Orange diffused (XC556A)	T1 3/4	0.197/5	0.30	1.02	0.08	2.3	12	635	36	*	.15	.088	.066
333235CG	LI13530 	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	15	635	70	*	.16	.128	.076
334001CG	LI3330 	1	Orange	Orange diffused	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	24	635	36	*	.112	.079	.059
333913CG	LE3331 	1	Orange	Orange transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	635	20	*	.135	.079	.059
34761CG	LG3330 	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	*	.15	.14	.10
334086CG	LG13740 	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.098	.064	.061
333227CG	LG13530 	1	Hi-eff Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	*	.16	.128	.072
104256CG	LA93B/G-1 	4	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	*	.23	.19	.17
11359CG	LG3333 	1	Green	Water clear (BG5704)	T1 3/4	0.197/5	0.30	1.04	0.07	2.3	100	565	20	*	.15	.134	.10
333956CG	LG3331 	1	Green	Green transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	150	565	20	*	.098	.064	.061
333534CG	LVG3333/S46 	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	220	565	30	*	.168	.134	.10
334393CG	UT1821-81-S	1	Green	Green diffused	T1 3/4	0.197/5	0.35	1.00	0.10	2.1	20	572	44	*	.098	.064	.061
333948CG	UT1824-81-S	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	68.1	572	22	*	.108	.069	.049
138691CG	LVB3330	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	1.95	1.76	1.40	1.05
137613CG	LSBI3333	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	1.95	1.85	1.50	1.15
134332CG	LT18B3-81UR	1	Blue	Water clear (383UBC)	T1 3/4	0.197/5	0.30	0.93	0.10	3.8	350	428	20	1.99	1.92	1.84	1.44
94561CG	LFG3360	1	Green	Green diffused blinking (XC5408) [†]	T1 3/4	0.197/5	0.30	1.05	0.08	3-12V	17	565	N/A	.59	.53	.48	.36
351038CG	MCDL-517GD-F	1	Green	Green diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	15	565	120	.51	.419	.317	.238
351046CG	MCDL-517YD-F	1	Yellow	Yellow diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.332	.249
351054CG	MCDL-517AD-F	1	Amber	Amber diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.332	.249
351011CG	MCDL-517ED-F	1	Hi-eff Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	20	635	120	.51	.419	.354	.265
351020CG	MCDL-517ED-EF	1	Orange	Orange diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	635	120	.51	.419	.354	.265
351062CG	MCDL-517SRD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	200	660	120	.57	.469	.371	.278
351071CG	MCDL-517LRD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	120	.57	.469	.375	.281
351097CG	MCDL-517URC-U14-F	1	Super Red	Water clear blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	30	.57	.48	.372	.317
34690CG	LFH3360	1	Red	Red diffused blinking (XC5410) [†]	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
138860CG	LFH3363	1	Red	Water clear blinking [†]	T1 3/4	0.197/5	0.35	1.06	0.10	3-12V	9	697	N/A	.56	.51	.403	.302
351003CG	MCDL-517HD																

Standard-Output LEDs (Continued)



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave

JAMECO ValuePro

Standard-Output LEDs (Continued)

Call for OEM PRICING - we carry major manufacturers.

See pg 52 for figures

* Minimum order 10 pieces

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
379647CG	MCDL-833YD	1	Yellow	Yellow diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.1	25	590	60	\$.66	\$.58	\$.48	\$.358
379639CG	MCDL-833ED	1	Hi-eff Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.0	25	635	60	.66	.58	.48	.358
379663CG	MCDL-833SRD	1	Super Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	1.8	200	660	60	.76	.67	.54	.411
379604CG	MCDL-833GD	1	Green	Green diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.2	20	570	60	.66	.58	.48	.358
104889CG	LEG5292	8	Orange/Green	White diff. bi-color rectangular	2 x 5	—	0.27	1.02	0.08	2.3	6/6	695/565	116	.23	.215	.183	.137
333796CG	UT7231-81	9	Yellow	Yellow diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	5.0	585	70	.29	.241	.136	.102
333761CG	UT7241-81	9	Hi-eff Red	Orange diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	*	.127	.08	.074
333770CG	UT7241R-81	9	Hi-eff Red	Red diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	*	.138	.11	.082
333788CG	UT7222-81	9	Green	White diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	6.1	567	70	.22	.19	.135	.101
333702CG	UT7321-81	10	Green	Green diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	8.8	567	60	.23	.207	.146	.105
333711CG	UT7331-81	10	Yellow	Yellow diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	7.2	585	60	.29	.243	.184	.138
333690CG	UT7341R-81	10	Orange	Red diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	10.1	635	60	.23	.207	.146	.105
94545CG	LG25030	10	Green	Green diff. rect. (XC57124G)	3.5 x 6	—	0.26	1.06	0.08	2.3	5.2	565	100	*	.19	.16	.153
333745CG	UT5221-81	9	Green	Green diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	7.1	572	82	*	.092	.073	.055
333753CG	UT5231-81	9	Yellow	Yellow diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	5.9	589	82	*	.106	.072	.054
333737CG	UT521R-81	9	Hi-eff Red	Red diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	8.3	630	82	*	.135	.092	.069
334650CG	UB3541R-11 NRAK	11	Orange	0.35" lightbar	8.9 x 8.9	0.35/8.9	0.20	—	0.10	2.1	7.8	635	N/A	.92	.80	.64	.483
334668CG	UB3531-11 NYAK	11	Yellow	0.35" lightbar	8.9 x 8.9	0.35/8.9	0.20	—	0.10	2.1	5.5	585	N/A	.95	.80	.64	.483
334676CG	UB3521-11 NGAK	11	Green	0.35" lightbar	8.9 x 8.9	0.35/8.9	0.20	—	0.10	2.1	6.8	567	N/A	.95	.80	.64	.483
334326CG	LG-150Y-DT	12	Yellow	White diffused	SMD1206	—	0.06	0.13	—	1.7	5	585	150	*	.135	.092	.069
334297CG	LG-150Y-CT	12	Yellow	Water clear	SMD1206	—	0.07	0.13	—	1.7	6.0	588	150	*	.127	.09	.067
334318CG	LG-150E-DT	12	Hi-eff Red	White diffused	SMD1206	—	0.06	0.13	—	1.7	8	635	150	*	.129	.092	.069
334289CG	LG150E-CT	12	Orange	Water clear	SMD1206	—	0.07	0.13	—	1.7	6.0	635	150	*	.127	.10	.075
334334CG	LG-150G-DT	12	Green	White diffused	SMD1206	—	0.06	0.13	—	1.7	10	573	140	*	.118	.095	.078
334300CG	LG-150G-CT	12	Green	Water clear	SMD1206	—	0.07	0.13	—	1.7	12.5	573	140	*	.129	.092	.069
334781CG	LG-150DBK-CT	12	Blue	Water clear	SMD1206	—	0.06	0.13	—	3.5	40	470	150	2.05	1.72	1.55	1.16
334351CG	LY9553/TR1	13	Yellow	Water clear surface mount	PLCC-2	—	0.12	0.14	—	1.7	7.0	585	84	*	.172	.131	.098
334369CG	LG9553/TR1	13	Green	Water clear surface mount	PLCC-2	—	0.12	0.14	—	1.7	9.0	565	84	*	.131	.116	.095

See pg 52 for figures

1 Reverse polarity to change color

†† For mounting hardware see pg 57-60

LITEON

Standard & SMD LEDs

NEW

See pg 52 for figures

* Minimum order 10 pieces

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	WaveLength nm	Viewing Angle	Pricing		
							A"	B"						1	10	100
697514CG	LTL-2933JW	6	Red/Yellow	Clear	T1	0.119/3	0.18	1.0	0.1	2.0	15	635/585	—	\$.24	\$.235	\$.229
697670CG	LTL-4251	1	Yellow	Diffused	T1	0.119/3	0.18	1.0	0.1	2.1	8.7	585	40	*	.042	.041
697688CG	LTL-4251N	1	Yellow	Yellow diffused	T1	0.119/3	0.18	1.0	0.1	2.1	5.6	585	60	*	.042	.041
697565CG	LTL-4211N	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	*	.042	.041
697581CG	LTL-4221	1	Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	40	*	.042	.041
697590CG	LTL-4221N	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	*	.042	.041
697629CG	LTL-4231	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	*	.042	.041
697637CG	LTL-4231N	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	*	.042	.041
697645CG	LTL-4232N	1	Green	Transparent	T1	0.119/3	0.18	1.0	0.1	2.1	40	565	45	*	.056	.054
697549CG	LTL-307Y	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	29	585	—	*	.042	.041
697696CG	LTL-4253	1	Yellow	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	585	36	*	.042	.041
697709CG	LTL-4254	1	Yellow	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	90	585	16	*	.042	.041
697522CG	LTL-307E	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	19	635	50	*	.042	.041
697602CG	LTL-4223	1	Red	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	19	635	36	*	.042	.041
697611CG	LTL-4224	1	Red	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.0	90	635	16	*	.029	.028
697557CG	LTL-30EFJ	1	Red/Green	Bi-color diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	5.6/19	697/565	30	.20	.193	.187
697573CG	LTL-4213	1	Red/Green	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	3.7	697	36	*	.042	.041
697531CG	LTL-307G	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	565	50	*	.042	.041
697653CG	LTL-4233	1	Green	Diffused	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	19	565	36	*	.042	.041
697661CG	LTL-4234	1	Green	Transparent	T1 3/4	0.197/5	0.34	0.9	0.1	2.1	60	565	16	*	.029	.028
697717CG	LTL-523-11	13	Hi-eff Red	Red diffused (PCB mnt indicator)	—	0.189/4.8	0.13	0.35	0.1	2.0	60	635	60	*	.141	.137
697725CG	LTL-533-11	13	Green	Green diffused (PCB mnt indicator)	—	0.189/4.8	0.13	0.35	0.1	2.1	40	565	60	*	.166	.112
697813CG	LTST-C190YKT	12	Yellow	Clear	SMD 0603	—	0.03	0.06	—	2.1	6	585	130	*	.072	.065
697805CG	LTST-C190GKT	12	Green	Water clear	SMD 0603	—	0.03	0.06	—	2.1	6	565	130	*	.064	.058
697792CG	LTST-C170YKT	12	Yellow	Clear	SMD 0805	—	0.05	0.05	—	2.1	2	585	130	*	.087	.084
697784CG	LTST-C170KRKT	12	Red	Water clear	SMD 0805	—	0.05	0.08	—	2.0	54	639	130	*	.087	.084
697768CG	LTST-C170GKT	12	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.1	6	565	130	*	.087	.084
697766CG	LTST-C170KGT	12	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.0	35	574	130	*	.087	.084
697848CG	LTST-S220GKT	12	Green	Clear	SMD 0805	—	0.05	0.08	—	2.1	10	565	130	*	.087	.084
697733CG	LTST-C150CKT	12	Red	Clear	SMD 1206	—	0.06	0.13	—	1.8	25	660	130	*	.087	.084
697741CG	LTST-C150GKT	12	Green	Water clear	SMD 1206	—	0.06	0.13	—	2.1	6	565	130	*	.087	.084
697750CG	LTST-C150KRKT	12	Red	Water clear	SMD 1206	—	0.06	0.13	—	2.0	54	639	130	*	.087	.084
697821CG	LTST-C930KGT	15	Green	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	600	574	25	*	.145	.14
697830CG	LTST-C930KRKT	15	Red	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	850	639	130	*	.145	.14

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Standard-Output LEDs (Continued)

See pg 52 for figures
 * Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength Viewing		Pricing			
							A"	B"				nm	Angle	1	10	100	1000
<div><div><div>Dialight</div><div>MCD</div></div><div>Other Manufacturers — Great Deals</div><div><div>LITEON</div><div>Quantity SAVE</div></div></div>																	
26745CG	MCDL-170EC	5	Red	Water clear	T 3/4	0.083/2.1	0.06	0.25	0.11	2.1	7	635	N/A	\$.23	\$.207	\$.189	\$.18
202489CG	MVL-301Y	1	Yellow	Yellow diffused	T1	0.119/3	0.14	1.12	0.10	2.1	9.0	585	N/A	*.053	*.048	*.036	
211086CG	LTL-4231N-022	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	N/A	.32	.062	.056	.042
202471CG	MVL-301HR	1	Orange Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	*.062	*.056	*.05	
135597CG	LTL307E*	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.07	2.0	19	635	N/A	*.12	*.086	*.073	
693901CG	MCDL-5013GD	1	Green	Red diffused	T1 3/4	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	*.08	*.06	*.05	
320282CG	566-0306	14	Yellow	Yellow diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.1	3.5	583	N/A	.89	.76	.46	.345
320274CG	566-0206	14	Green	Green diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.2	4	565	N/A	.88	.74	.53	.399
320291CG	566-0406	14	Red	Red diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.0	7.4	635	N/A	.89	.76	.46	.345
658291CG	MSL-194DR	12	Red	Water clear	SMD0603	—	0.03	0.06	—	1.8	20	660	130	*.09	*.075	*.065	
658304CG	MSL-174DR	12	Red	Water clear	SMD0805	—	0.05	0.08	—	1.8	20	660	130	*.09	*.075	*.065	
658283CG	MSL-154G	12	Green	Water clear	SMD1206	—	0.06	0.13	—	2.2	6.5	570	130	*.12	*.10	*.09	
658312CG	MSL-154DR	12	Red	Water clear	SMD1206	—	0.06	0.13	—	1.8	25	660	130	*.12	*.10	*.09	
658339CG	MSL-204Y	13	Yellow	Water clear	PLCC-2	—	0.08	0.13	—	2.1	182	590	120	.39	.37	.33	.19
692537CG	MSL-204G	13	Green	Water clear	PLCC-2	—	0.11	0.13	—	2.1	15	570	120	.49	.45	.35	.29
658347CG	MSL-204MW	13	White	Water clear	PLCC-2	—	0.08	0.13	—	3.5	400	—	120	1.09	.99	.89	.69

See pg 52 for figures †† For mounting hardware see pg 57-60 *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 60

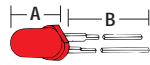


Fig. 1



Fig. 2

* Prepackaged: order in increments of 10, 100 or 1000

Medium-Output LEDs

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333307CG	LUY2643-1	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	595	40	\$.29	\$.191	\$.17	\$.145
333278CG	LUR2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	660	—	.25	.176	.16	.12
333374CG	LURF2643-1	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	630	40	.20	.18	.173	.13
333340CG	LHE2643	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	.25	.173	.144	.108
333358CG	LUE2643	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	620	40	.24	.23	.21	.158
334749CG	UT63B3-41-UR33	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	1.26	1.21	.92	.66
334764CG	CMD204UWC-JV	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	2.35	2.29	1.71	1.54
206501CG	LVY3331	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	*	.19	.15	.112
206519CG	LHR3331	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	*	.19	.15	.12
334490CG	LHRF3333/S46/A	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	700	630	30	*	.142	.108	.081
351089CG	MCDL-517URD-F	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	500	660	120	.52	.431	.334	.25
333420CG	LSR3331	1	Red	Red transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	550	660	20	*	.135	.092	.069
152864CG	BUV-501RD4	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	.29	.24	.19	.15
333497CG	LSR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	720	660	18	*	.135	.108	.08
333631CG	LUE13733	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	700	620	25	.24	.216	.194	.175
153154CG	LVG3333	1	Green	Water clear (HLMP-8509)	T1 3/4	0.197/5	0.36	0.90	0.10	2.3	500	565	20	*	.079	.063	.047
333551CG	LVG13233	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.20	.186	.15	.138
333542CG	LVG3833	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	550	565	12	*	.16	.149	.138
334465CG	LDBK3331/H0	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
334756CG	UT5KW3-AA-UAE3-TO1	2	White	Water clear	SMD1206	—	0.08	0.14	—	3.2	550	—	120	2.09	1.97	1.79	1.34



Other Manufacturers — Great Deals

210825CG	BUV-5MIQN1	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.30 1.07	0.08	2.1	600	615	—	* .16	* .144	* .13	
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High-Output LEDs

• Typical DC forward current 20mA

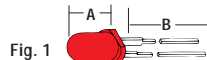


Fig. 1



Fig. 2



Fig. 3

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
217525CG	MCDPW-3004C	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	\$2.99	\$2.85	\$2.69	\$2.55
333577CG	LUYS3333	1	Yellow	Water Clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.30	.135	.092	.069
197675CG	BVT-5E1TT4E	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	1.08	0.08	2.3	2800	592	15	.31	.29	.275	.262
333614CG	LUY3833H	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.31	.261	.239	.215
333569CG	LUY3333/A	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.26	.242	.177	.124
333593CG	LHY3833	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.26	.242	.225	.169
333606CG	MV8315-JV	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	595	12	.28	.252	.201	.151
197616CG	BUV-5E1QH4E	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	*	.174	.145	.139
334423CG	UT9C13-86-UDC2	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.20	.196	.157	.109
334481CG	UT1813-86-UC9T-P27	1	Ultra Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.2	3500	642	15	.30	.266	.239	.229
152864CG	BUV-501RD4	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	1000	660	20	.29	.24	.19	.15

Mounting Hardware listed on pages 57-60

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO ValuePro High-Output LEDs (Continued)

Quantity SAVE

† See pg 55 for figures * Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
333438CG	UT1873-81-UR	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	1000	660	10	\$.22	\$.21	\$.19	\$.142
333447CG	UT1873-81-UR-P22	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	1200	660	25	*	.19	.119	.098
333518CG	LUR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	*	.19	.147	.11
333526CG	LUR3833	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	*	.16	.119	.107
333500CG	LHR3833/A	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	1500	660	12	.25	.214	.136	.102
333665CG	LEF3833	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1700	620	12	.25	.205	.175	.172
333649CG	LHE3333	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1800	620	20	.30	.232	.177	.132
333657CG	LUE3333	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	3400	620	20	.29	.237	.208	.178
333673CG	LUE3833	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	620	12	.30	.27	.177	.159
131895CG	TLSH180P	1	Orange	Water clear	T1 3/4	0.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683CG	BVT-5E1QT4ER	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473CG	LDGL3333/H0	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.79	1.45	1.29	1.05
183214CG	MCDPG-503PC1	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222CG	MCDL-513SBC4	1	White	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502CG	LWK3333	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.99	1.65	1.35	1.05
334773CG	UT18W3-86-UF1-P22	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.35	2.19	1.97	1.77
183231CG	BVU-5C14WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	2.55	2.27	2.04	1.84
142893CG	BVU-5E1WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	3.19	2.95	2.48	2.18
320531CG	MCDL-5013UWC	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.25	1.01	.79	.71
197641CG	BVT-529TT3E	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	7800	592	70	.69	.62	.55	.49
404582CG	MCDL-1860UWC-15C	3	Ultra White	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	2.03	1.82	1.35
664341CG	MCDL-1870UWC-15C	3	White	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.25	2.03	1.82	1.35
664405CG	MCDL-1860UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.26	1.13	.85
664413CG	MCDL-1870UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.26	1.13	.85
664384CG	MCDL-1860UYC-TL	3	Amber	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	2.0	3200	590	75	1.39	1.26	1.13	.85
664392CG	MCDL-1870UYC-TL	3	Amber	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	1.39	1.26	1.13	.85
404603CG	MCDL-1860UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	2.15	1.94	1.74	1.25
664376CG	MCDL-1870UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.94	1.74	1.25
664368CG	MCDL-1870UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	40	2.15	1.94	1.74	1.25
404591CG	MCDL-1860UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.94	1.74	1.25

Blue Part No. = Limited Quantity Available



HLMP Series LEDs

Quantity SAVE

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
						A"	B"						1	10	100	1000
253278CG	HLMP-1301	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	60	*	\$.121	\$.11	\$.082
253366CG	HLMP-1321	Red	Tinted	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	30 @ 10	635	45	*	.118	.11	.10
253551CG	HLMP-1340	Red	Clear	T1	0.119/3	0.19	1.00	0.10	1.9 @ 20	55 @ 10	635	45	.32	.134	.115	.086
253690CG	HLMP-1700	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.7 @ 2	2.1 @ 2	635	50	*	.13	.104	.078
253711CG	HLMP-K105	Red	Clear	T1	0.119/3	0.19	1.00	0.10	2.2 @ 20	65 @ 20	645	45	*	.188	.15	.086
253729CG	HLMP-K150	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.8 @ 1	2.0 @ 1	645	60	*	.168	.152	.114
253631CG	HLMP-1503	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	1.0 @ 10	565	60	*	.113	.101	.091
253649CG	HLMP-1521	Green	Tinted	T1	0.119/3	0.19	1.00	0.10	2.7 @ 10	6.7 @ 10	565	45	*	.122	.111	.083
253657CG	HLMP-1523	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	7.0 @ 10	565	60	.32	.28	.196	.147
253665CG	HLMP-1540	Green	Clear	T1	0.119/3	0.19	1.00	0.10	45 @ 20	2.2 @ 20	565	45	.26	.227	.191	.143
253681CG	HLMP-1790	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	.21	.145	.116	.087
253673CG	HLMP-1719	Yellow	Diffused	T1	0.119/3	0.19	1.00	0.10	2.5 @ 2	2.1 @ 2	583	50	*	.128	.115	.086
253622CG	HLMP-1440	Yellow	Clear	T1	0.119/3	0.19	1.00	0.10	2.1 @ 20	45 @ 20	583	45	*	.122	.105	.076
253745CG	HLMP-3300	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 10	3.5 @ 10	635	65	*	.15	.104	.078
253753CG	HLMP-3301	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	60	*	.15	.104	.093
253817CG	HLMP-4700	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	1.7 @ 2	2.3 @ 2	626	50	*	.19	.152	.085
11797CG	QLMP-D141*	Red	Water clear	T1 3/4	0.197/5	0.29	1.05	0.07	2.0 @ 20	350 @ 20	660	—	*	.158	.112	.073
203553CG	HLMP-4100	Orange Red	Water clear	T1 3/4	0.197/5	0.33	1.07	0.08	2.1 @ 20	600 @ 20	615	8	*	.062	.056	.05
253770CG	HLMP-3507	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.1 @ 10	4.2 @ 10	565	60	*	.119	.11	.082
253809CG	HLMP-3950	Green	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	1.5 @ 20	265 @ 20	565	24	*	.168	.152	.085
253833CG	HLMP-4740	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	*	.19	.152	.114
253761CG	HLMP-3401	Yellow	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.0 @ 10	5.7 @ 10	583	60	*	.136	.124	.093
253796CG	HLMP-3850	Yellow	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	140 @ 20	583	24	.27	.253	.179	.161

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 60

Blue Part No. = Limited Quantity Available



Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10% right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

LEDTECH Standard and High-Output LEDs

• Typical DC forward current 20mA

Ledtech is a QS9000 and ISO-9000 Certified Company

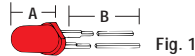


Fig. 1

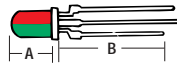


Fig. 2

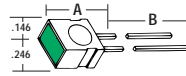


Fig. 3

152805CG

151415CG

* Minimum order 10 pieces

Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
156953CG	LT0373-41	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	46	\$.24	\$.22	\$.17	\$.14
156946CG	LT0362-25-D61	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	50	.29	.25	.19	.15
152750CG	LT0344R-41	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	36	*	.19	.16	.12
152784CG	LT0341R-41	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	56	*	.17	.15	.12
152768CG	LT0324-41	1	Green	Green clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	45 @ 20	567	36	*	.077	.059	.057
156929CG	LT0321-41-HE	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	56	*	.18	.11	.10
156937CG	LT0331-41	1	Yellow	Yellow diffused	T1	0.119/3	0.20	0.95	0.10	2.1 @ 20	11 @ 20	585	56	*	.13	.086	.065
136493CG	LT0333-41	1	Yellow	Water clear	T1	0.119/3	0.20	0.95	0.10	2.3 @ 20	38 @ 20	589	36	*	.14	.096	.072
1215597CG	LT2K33-81-UC9T	1	Yellow	Water clear	T1 3/4	0.197/5	0.31	0.89	0.10	2.2 @ 20	5000 @ 20	592	5	.49	.468	.417	.383
261622CG	LT1873-81-UR-P22	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	1200 @ 20	660	25	.22	.20	.19	.11
242843CG	LT1811-81	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	44	*	.12	.10	.06
152805CG	LT1873-81-UR	1	Red Ultra Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	12	*	.168	.134	.10
153139CG	LT2KJ3-UR-S14	1	Orange	Water clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	2500 @ 20	621	5	.49	.44	.39	.35
302033CG	LT1814-81	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.88	0.10	2.1 @ 20	23.1 @ 20	635	22	*	.094	.071	.054
152856CG	LT1841R-81	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	44	*	.17	.15	.13
156961CG	LT1823-81-HE	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	19	*	.17	.15	.12
152821CG	LT1821-81-HE	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	41	*	.16	.12	.09
175687CG	LT0524-81	1	Green	Green transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.1 @ 20	44 @ 20	567	30	*	.08	.072	.065
152792CG	LT1833-81-M1	1	Ylw Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	1040 @ 20	593	19	*	.17	.153	.137
152830CG	LT1831-81-UR	1	Ylw Ultra Bright	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	41	.22	.204	.17	.138
34850CG	LT7341R-81	3	Orange Red	Red diffused rectangular	3.5 x 6	—	0.27	0.85	0.07	2.0 @ 20	5.2 @ 20	635	60	.29	.242	.196	.152

White Diffused Backlight

151415CG	LT1F24-A2-S1	—	Green	Backlight, diffused	2.05"L x 0.78"H x 0.09"T	8-pin	4.2 @ 20	140 @ 20	567	—	\$2.95	\$2.66	\$2.12	\$1.59
230535CG	LT1F24-A2-S8	—	Green	Backlight, diffused	1.56"L x 0.98"H x 0.15"T	8-pin	4.2 @ 20	24.8 @ 20	567	—	2.95	2.65	2.39	1.79

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 60

† For Mounting Hardware, below

Ⓢ Blue Part No. = Limited Quantity Available

LED Cabinet Kit and LED Mounting Hardware

Design Engineer's 139 Piece LED Hardware Assortment

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139 piece hardware kit for T1 and T1 3/4 LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H • Weight: 0.4 lbs.



Includes: LED panel lenses and mounts	• Colors: clear, red, yellow, green and blue • Shapes: round, square • Retainers
Pre-wired solderless LED interconnection	• Varied lengths • Standard header pin connector termination • Crimp-type removable connector pins
LED PCB mounts, sockets and standoffs	• Vertical and horizontal mount • Various height LED standoffs • SMT-type connectors • Through-hole type connectors • Resistor-type connectors

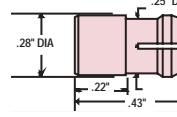
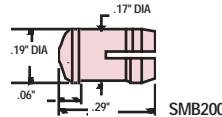
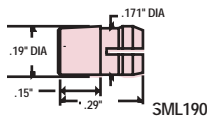
Part No.	Description	Price
418731CG	Engineer's LED hardware kit	\$25.09

Committed to You

We're committed to providing you with the best service in the industry.

T1 & T1 3/4 Ciplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red, green, amber, yellow and clear. Hole size for T1, 0.171", on 0.250" centers. Panel thickness T1: SML190, 0.031-0.062"; SMB200, 0.062-0.125". Hole size for T1 & T1-3/4, 0.250" on 0.375" centers. Panel thickness, CLF280, 0.062-0.125". CLB300, 0.031-0.0250".



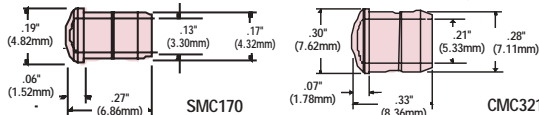
Part No.	Type	Size	Color	1	10	100	1000
417818CG	SML190RTP	T1	Red	.26	.226	.166	.14
417826CG	SML190ATP	T1	Amber	.26	.226	.166	.14
417834CG	SML190GTP	T1	Green	.26	.226	.166	.14
417842CG	SML190YTP	T1	Yellow	.26	.226	.162	.14
417851CG	SML190CTP	T1	Clear	.26	.226	.166	.14
417869CG	SMB200RTP	T1	Red	.26	.226	.166	.14
417877CG	SMB200ATP	T1	Amber	.26	.226	.167	.14
417885CG	SMB200GTP	T1	Green	.26	.226	.167	.14
417893CG	SMB200YTP	T1	Yellow	.26	.226	.166	.14
417906CG	SMB200CTP	T1	Clear	.26	.226	.167	.14
29612CG	CLF280RTP	T1 3/4	Red	.28	.247	.219	.188
417914CG	CLF280ATP	T1 3/4	Amber	.28	.244	.185	.157
417922CG	CLF280GTP	T1 3/4	Green	.28	.244	.185	.157
417931CG	CLF280YTP	T1 3/4	Yellow	.28	.244	.181	.157
14277CG	CLF280CTP	T1 3/4	Clear	.28	.237	.216	.157
417949CG	CLB300RTP	T1 3/4	Red	.28	.244	.185	.157
417957CG	CLB300ATP	T1 3/4	Amber	.28	.244	.185	.157
417965CG	CLB300GTP	T1 3/4	Green	.28	.244	.185	.157
417973CG	CLB300YTP	T1 3/4	Yellow	.28	.244	.181	.157
124927CG	CLB300CTP	T1 3/4	Clear	.25	.19	.16	.14

T1 & T1^{3/4} Cliplite® Panel Lens for PCB Mounted LEDs

T1 and T1-3/4 size low-profile panel lenses provide 180° viewing angle. Type SMC170 for T1 LEDs. Hole size: 0.171" on 0.250" centers. CMC321 for T1-3/4 LEDs. Hole size: 0.283" on 0.375" centers. Use retaining ring RNG165 for SMC170 and RNG268 for CMC321/CMC322. RNG268: 0.36" Dia., 0.08" L.

- RNG165: 0.24" Dia., 0.50" L
- RNG132: 0.24" Dia., 0.08" L
- CMC285: 0.21" Dia., 0.285" L
- SMC130: 0.14" Dia., 0.24" L

* Prepackaged: order in increments of 10, 100 or 1000

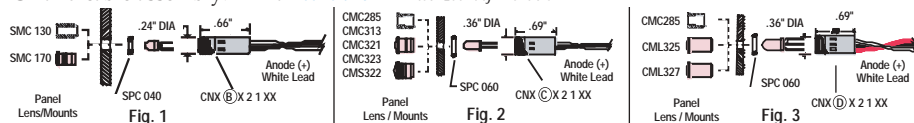


Part No.	Type	Size	Color	1	10	100	1000
417691CG	SMC170RTP	T1	Red	\$.26	\$.226	\$.166	\$.14
417703CG	SMC170ATP	T1	Amber	.26	.226	.166	.14
417711CG	SMC170GTP	T1	Green	.26	.226	.166	.14
417720CG	SMC170YTP	T1	Yellow	.26	.226	.166	.14
143183CG	SMC170CTP	T1	Clear	.26	.226	.20	.14
417738CG	CMC321RTP	T1 3/4	Red	.28	.244	.185	.157
417746CG	CMC321ATP	T1 3/4	Amber	.28	.244	.185	.157
417754CG	CMC321GTP	T1 3/4	Green	.28	.244	.185	.157
417762CG	CMC321YTP	T1 3/4	Yellow	.28	.244	.185	.157
417771CG	CML325CTP	T1 3/4	Clear	.28	.254	.195	.164
143132CG	CMC321CTP	T1 3/4	Clear	.25	.22	.18	.14
417797CG	SMC130CTP	T1	Panel mount clip	*	.169	.127	.107
417800CG	CMC285CTP	T1 3/4	Panel mount clip	.27	.235	.166	.14
417631CG	RNG132	—	Ring for SMC130	*	.075	.059	.049
417789CG	RNG165	—	Ring for SMC285	*	.075	.059	.049
417640CG	RNG234	—	Ring for CMC321	*	.074	.067	.049

Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB. 3mm type CNXBE and CNXBX connector assemblies use SMC170 lens or SMC130 mount; 5mm type CNXCE and CNXCX assemblies use a CMC321 lens or CMC285 mount. Thin panels (0.032") use ring spacer type SPC040 for 3mm and type SPC060 for 5mm assemblies. CNXBE, CNXCE and CNXDF cables are supplied with panel connector and bare wire leads. CNXV and H series locking headers provide positive locking between PCB and cable assembly.

Blue Part No. = Limited Quantity Available



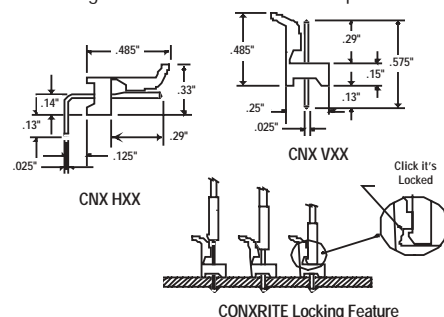
Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
417375CG	CNXBE2104	1	T1 (3mm) Bi-lead	2 position connector	4"	\$1.99	\$1.69	\$1.11	\$1.00
143087CG	CNXBE2108	1	T1 (3mm) Bi-lead	2 position connector	8"	1.25	1.13	1.05	.99
417383CG	CNXBE2112	1	T1 (3mm) Bi-lead	2 position connector	12"	2.15	1.81	1.20	1.08
417391CG	CNXBE2124	1	T1 (3mm) Bi-lead	2 position connector	24"	2.45	2.07	1.37	1.33
417404CG	CNXBX2104	1	T1 (3mm) Bi-lead	Stripped leads	4"	1.21	1.03	.75	.68
417412CG	CNXBX2108	1	T1 (3mm) Bi-lead	Stripped leads	8"	1.35	1.14	.75	.68
417421CG	CNXBX2112	1	T1 (3mm) Bi-lead	Stripped leads	12"	1.49	1.26	.84	.76
417439CG	CNXBX2118	1	T1 (3mm) Bi-lead	Stripped leads	18"	1.65	1.38	.92	.71
417447CG	CNXBX2124	1	T1 (3mm) Bi-lead	Stripped leads	24"	1.79	1.52	1.00	.90
417455CG	CNXCE2104	2	T1 3/4 (5mm) Bi-lead	2 position connector	4"	1.99	1.69	1.11	1.00
143036CG	CNXCE2108	2	T1 3/4 (5mm) Bi-lead	2 position connector	8"	1.29	1.25	1.19	1.15
417463CG	CNXCE2112	2	T1 3/4 (5mm) Bi-lead	2 position connector	12"	2.15	1.81	1.20	1.08
143052CG	CNXCE2118	2	T1 3/4 (5mm) Bi-lead	2 position connector	18"	1.79	1.58	1.30	1.25
417471CG	CNXCE2124	2	T1 3/4 (5mm) Bi-lead	2 position connector	24"	2.45	2.07	1.37	1.23
417480CG	CNXCX2104	2	T1 3/4 (5mm) Bi-lead	Stripped leads	4"	1.35	1.28	.75	.68
417498CG	CNXCX2108	2	T1 3/4 (5mm) Bi-lead	Stripped leads	8"	1.35	1.14	.75	.59
417501CG	CNXCX2112	2	T1 3/4 (5mm) Bi-lead	Stripped leads	12"	1.49	1.26	.84	.74
417519CG	CNXCX2118	2	T1 3/4 (5mm) Bi-lead	Stripped leads	18"	1.65	1.38	.92	.83
417527CG	CNXCX2124	2	T1 3/4 (5mm) Bi-lead	Stripped leads	24"	1.79	1.61	1.01	.90
417535CG	CNXDF2604	3	T1 3/4 (5mm) Tri-lead	3 position connector	4"	2.85	2.40	1.58	1.42
417543CG	CNXDF2608	3	T1 3/4 (5mm) Tri-lead	3 position connector	8"	2.85	2.40	1.58	1.42
417551CG	CNXDF2612	3	T1 3/4 (5mm) Tri-lead	3 position connector	12"	3.15	2.64	1.76	1.58
417560CG	CNXDF2618	3	T1 3/4 (5mm) Tri-lead	3 position connector	18"	3.39	2.85	1.89	1.70
417578CG	CNXDF2624	3	T1 3/4 (5mm) Tri-lead	3 position connector	24"	3.59	3.02	2.00	1.80
417586CG	CNXDX2604	3	T1 3/4 (5mm) Tri-lead	Stripped leads	4"	1.85	1.55	1.02	.80
417594CG	CNXDX2608	3	T1 3/4 (5mm) Tri-lead	Stripped leads	8"	1.85	1.52	1.02	.92
417607CG	CNXDX2612	3	T1 3/4 (5mm) Tri-lead	Stripped leads	12"	2.15	1.81	1.20	1.08
417615CG	CNXDX2618	3	T1 3/4 (5mm) Tri-lead	Stripped leads	18"	2.39	2.02	1.34	1.20
417623CG	CNXDX2624	3	T1 3/4 (5mm) Tri-lead	Stripped leads	24"	2.59	2.19	1.44	1.30

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Conxrite Locking Headers for Use with Cable Assemblies

CNXV and H series locking headers provide positive locking between PCB and cable assembly.

- Mounting P/N 417658CG: vertical 2-pin
- Mounting P/N 417666CG: vertical 3-pin
- Mounting P/N 417674CG: horizontal 2-pin
- Mounting P/N 417682CG: horizontal 3-pin

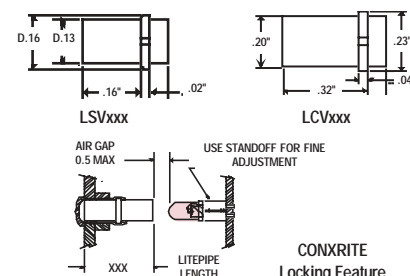


Part No.	Type	1	10	100	1000
417658CG	CNXV02NTP	\$.27	\$.251	\$.229	\$.163
417666CG	CNXV03NTP	.42	.376	.338	.304
417674CG	CNXH02NTP	.34	.332	.263	.219
417682CG	CNXH03NTP	.33	.297	.263	.219

Litepipes for PCB-Mounted LEDs

Designed to transmit light from PCB mounted LED to panel display. Cliplite lenses provide the mounting for Litepipes and produce 180° of viewing angle. Use SMB200 for LSV (3mm) litepipe and CLB300 for LCV (5mm) litepipe, see pg 57. For added security use retaining rings RNG190 (3mm) and RNG268 (5mm).

- Mounting color: clear



Part No.	Type	1	10	100	1000
417981CG	LSV020CTP	\$.28	\$.254	\$.224	\$.189
417990CG	LSV040CTP	.28	.254	.224	.189
418001CG	LSV060CTP	.28	.254	.224	.189
418010CG	LSV080CTP	.28	.254	.224	.189
418028CG	LSV100CTP	.28	.254	.224	.189
418036CG	LSV120CTP	.28	.254	.224	.189
418044CG	LCV036CTP	.28	.254	.224	.189
418052CG	LCV056CTP	.28	.254	.224	.189
418061CG	LCV076CTP	.28	.254	.224	.189
418079CG	LCV096CTP	.28	.254	.224	.189
418087CG	LCV116CTP	.28	.254	.224	.189
418095CG	LCV136CTP	.28	.254	.224	.189

Free Technical Support

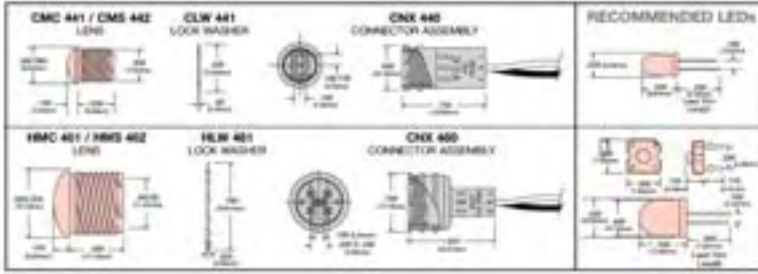
Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242



Cable Assemblies for 5mm and 10mm LED Lights






Features:

- Enhances LED apparent brightness as well as the viewing angle to 180°
- Sealed version exceeds NEMA 4 for dust, water and ice
- Tested for temperature cycling, UV, solar shock and vibration
- Plug and play approach simplifies cable installation








Pre-Wired Solderless LED holders – Twist Fit






5mm Bi-Lead LED 24 AWG 2-wire/0.025" Header Post

Part No.	Product No.	Length (in.)	1	10	100	500
673740CG	CNX440-E02-4-1-04 	4	\$2.79	\$1.79	\$1.74	\$1.52
673758CG	CNX440-E02-4-1-08 	8	2.79	1.99	1.74	1.52
673782CG	CNX440-E02-4-1-12 	12	3.05	1.94	1.88	1.60
673791CG	CNX440-E02-4-1-18 	18	3.15	2.05	1.98	1.68
673803CG	CNX440-E02-4-1-24 	24	3.25	2.13	2.06	1.76






5mm Bi-Lead LED 24 AWG 2-Wire/Stripped End

Part No.	Product No.	Length (in.)	1	10	100	500
673811CG	CNX440-X02-4-1-04 	4	\$1.75	\$1.17	\$1.10	\$0.76
673820CG	CNX440-X02-4-1-08 	8	1.75	1.14	1.11	.76
673838CG	CNX440-X02-4-1-12 	12	1.85	1.27	1.24	.83
673846CG	CNX440-X02-4-1-18 	18	1.95	1.36	1.32	1.11
673854CG	CNX440-X02-4-1-24 	24	2.05	1.48	1.43	1.19

10mm Bi-Lead LED 24 AWG 2-wire/0.025" Header Post

Part No.	Product No.	Length (in.)	1	10	100	500
673862CG	CNX460-E02-4-1-04 	4	\$4.15	\$2.65	\$2.57	\$2.25
673889CG	CNX460-E02-4-1-08 	8	4.15	2.65	2.57	2.25
673897CG	CNX460-E02-4-1-12 	12	4.25	2.80	2.72	2.33
673942CG	CNX460-E02-4-1-18 	18	4.29	2.88	2.79	2.41
673951CG	CNX460-E02-4-1-24 	24	4.39	2.98	2.89	2.49

10mm Bi-Lead LED 24 AWG 2-Wire/Stripped End

Part No.	Product No.	Length (in.)	1	10	100	500
673969CG	CNX460-X02-4-1-04 	4	\$3.15	\$1.99	\$1.93	\$1.68
673977CG	CNX460-X02-4-1-08 	8	3.15	1.99	1.93	1.68
673985CG	CNX460-X02-4-1-12 	12	3.25	2.13	2.06	1.76
674005CG	CNX460-X02-4-1-18 	18	3.35	2.23	2.16	1.84
674013CG	CNX460-X02-4-1-24 	24	3.45	2.31	2.24	1.92











CLIPLITE® Moisture Sealed Litepipe Assemblies

Designed to transmit light from PCB mounted LED (3mm and 5mm) and surface mount LEDs to the front panel display. These litepipes increase the apparent brightness of an LED and disperse the viewing angle of up to 180°. The litepipe assembly meets NEMA-3 for moisture and dust. Because there is no direct connection between the litepipe and LED, the circuit board can be installed or removed without disturbing the panel.

- Mounts in 0.281" holes with 3/8" centers on 1/32" to 1/8" panel thickness







Part No.	Product No.	Length (in.)	Color	1	10	100	500
675761CG	LMS033CTP 	0.33	Clear	\$1.21	\$1.07	\$0.99	\$0.94
675770CG	LMS033RTP 	0.33	Red	1.23	1.07	.99	.94
675788CG	LMS033GTP 	0.33	Green	1.23	1.07	.99	.94
675796CG	LMS053CTP 	0.53	Clear	1.23	1.07	.99	.94
675809CG	LMS053RTP 	0.53	Red	1.23	1.07	.99	.94
675817CG	LMS053GTP 	0.53	Green	1.21	1.07	.99	.94
675825CG	LMS133CTP 	1.33	Clear	1.21	1.07	.99	.94
675833CG	LMS133RTP 	1.33	Red	1.21	1.07	.99	.94
675841CG	LMS133GTP 	1.33	Green	1.21	1.07	.99	.94




Lens for Twist Style LED Holders

Includes: Lockwasher and retaining ring







5mm (T1 3/4) Standard Lens

Part No.	Product No.	Color	1	10	100	500
674030CG	CMC441RTP 	Red	\$0.75	\$0.54	\$0.52	\$0.384
674048CG	CMC441CTP 	Clear	.75	.54	.52	.384
674056CG	CMC441GTP 	Green	.75	.54	.52	.384
677610CG	CMC441BTP 	Blue	.75	.54	.52	.384
674064CG	CMC441YTP 	Yellow	.75	.54	.52	.384
674072CG	CMC441ATP 	Amber	.75	.54	.52	.384







5mm (T1 3/4) Water Tight Lens

Part No.	Product No.	Color	1	10	100	500
674081CG	CMS442RTP 	Red	\$1.47	\$0.97	\$0.94	\$0.65
674099CG	CMS442CTP 	Clear	1.47	.97	.94	.65
677636CG	CMS442ATP 	Amber	1.45	.97	.94	.65
674101CG	CMS442GTP 	Green	1.47	.97	.94	.65
674110CG	CMS442YTP 	Yellow	1.47	.97	.94	.65
674128CG	CMS442BTP 	Blue	1.47	.97	.94	.65

10mm Standard Lens

Part No.	Product No.	Color	1	10	100	500
674136CG	HMC461CTP 	Clear	\$1.17	\$0.79	\$0.76	\$0.52
674144CG	HMC461RTP 	Red	1.17	.79	.76	.52
674179CG	HMC461GTP 	Green	1.17	.79	.76	.52
674187CG	HMC461ATP 	Amber	1.17	.79	.76	.52
674195CG	HMC461YTP 	Yellow	1.17	.79	.76	.52
674208CG	HMC461BTP 	Blue	1.17	.79	.76	.52

10mm Water Tight Lens

Part No.	Product No.	Color	1	10	100	500
674216CG	HMS462CTP 	Clear	\$1.85	\$1.22	\$1.19	\$0.83
674224CG	HMS462RTP 	Red	1.85	1.22	1.19	.83
674232CG	HMS462GTP 	Green	1.85	1.22	1.19	.83
674241CG	HMS462ATP 	Amber	1.85	1.22	1.19	.83
674259CG	HMS462YTP 	Yellow	1.85	1.22	1.19	.83
674267CG	HMS462BTP 	Blue	1.89	1.22	1.19	.83

JAMECO

ValuePro

LED Light Strip Module

- Typical applications: running light or light source for under cabinets, closets, RV's, enclosures

NEW

Part No.	Production No.	Color	Input Volt. Typ. (V@mA)	Total Flux Typ. (lm)	Wave Length (nm)	Viewing Angle (Deg.)	Pricing		
683323CG	LS1155-150A112	Yellow	12 @ 150	25	590	100	\$10.59	\$10.52	\$9.47
683235CG	LS1255-150A112	Yellow	12 @ 150	25	590	100	10.59	10.52	9.47
683331CG	LS1155-525W404A	Red, Blue, Green	4 @ 525	12.5	—	100	15.95	15.25	13.72

Order Anytime, Day or Night!

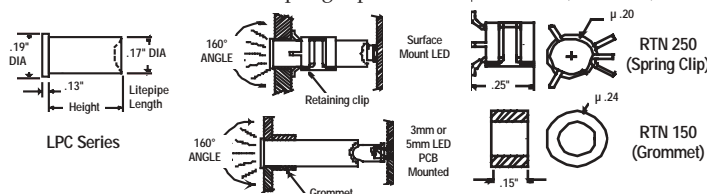
Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242





Litepipes For Standard and Surface-Mount LEDs

Designed to produce 160° viewing angle of transmitted light from PCB mounted LEDs. Accommodates both 3mm and surface mount LEDs. Litepipes are able to display single color devices or mix multi-colored LEDs into a single color. Sizes from 0.200" (5.08mm) to 2.00" (50.80mm). Use RTN grommet for sizes 0.20" thru 0.50" and RTN spring clip for sizes 0.50" to 2.00" (50.80mm).



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	1	10	100	1000
418108CG	LPC020CTP	0.200"	\$.35	\$.32	\$.244	\$.205
418116CG	LPC022CTP	0.220"	.35	.32	.244	.205
418124CG	LPC024CTP	0.240"	.35	.32	.244	.205
418132CG	LPC026CTP	0.260"	.35	.32	.244	.205
418141CG	LPC028CTP	0.280"	.35	.32	.244	.205
418159CG	LPC030CTP	0.300"	.35	.32	.244	.205
418167CG	LPC032CTP	0.320"	.35	.32	.244	.205
418175CG	LPC034CTP	0.340"	.35	.32	.244	.205
418183CG	LPC036CTP	0.360"	.35	.32	.244	.205
418191CG	LPC038CTP	0.380"	.35	.32	.244	.205
418204CG	LPC040CTP	0.400"	.35	.32	.244	.205
418212CG	LPC042CTP	0.420"	.35	.32	.244	.205
418221CG	LPC044CTP	0.440"	.35	.32	.244	.205
418239CG	LPC046CTP	0.460"	.35	.32	.244	.205
418247CG	LPC048CTP	0.480"	.35	.32	.244	.205
418255CG	LPC050CTP	0.500"	.35	.32	.244	.205
418263CG	LPC056CTP	0.56"	.35	.32	.244	.205
418280CG	LPC066CTP	0.66"	.35	.32	.244	.205
418301CG	LPC076CTP	0.76"	.35	.32	.244	.205
418327CG	LPC086CTP	0.86"	.35	.32	.244	.205
418271CG	LPC060CTP	0.600"	.35	.32	.244	.205
418298CG	LPC070CTP	0.700"	.35	.32	.244	.205
418319CG	LPC080CTP	0.800"	.35	.32	.244	.205
418335CG	LPC090CTP	0.900"	.35	.32	.244	.205
418343CG	LPC096CTP	0.960"	.35	.32	.244	.205
418351CG	LPC100CTP	1.00"	.40	.357	.263	.222
418360CG	LPC125CTP	1.25"	.40	.357	.263	.222
418378CG	LPC150CTP	1.50"	.40	.357	.263	.222
418386CG	LPC160CTP	1.60"	.40	.357	.263	.222
418394CG	LPC200CTP	2.00"	.40	.357	.263	.222
418407CG	RTN150	Grommet	*	.074	.059	.049
418415CG	RTN250	Spring clip	*	.093	.059	.056

LED Mounting Hardware

- P/N 95521CG: for use with P/N 94545CG and 34850CG, pg 54
- Color: black



Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
					10	100	1000
95513CG	LMH100	T1 snap-in	.185"	Up to .070"	\$.08	\$.07	\$.04
23077CG	LMH200	T1 3/4 ring & clip	.257"	Up to .125"	.15	.14	.12
95521CG	LMH250	Rect. snap-in	.306" x .202"	Up to .092"	.20	.15	.13
379815CG	—	10mm snap-in	.539"	Up to .125"	.35	.315	.28

Electronics Pocket Reference

Third Edition McGraw-Hill Publishing

A pocket reference manual that provides definitions, passive component equations and color coding, parameters of standard semi-conductors, linear circuits, filters, power supply and regulation, electronic measurement and mathematical tables and formulas. (529 pages, 2000)

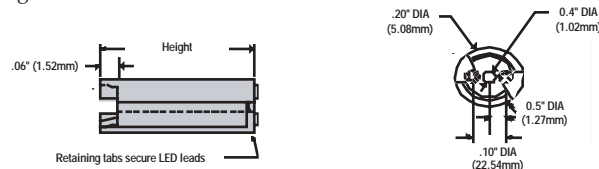
- Size: 4.0" x 6.0"
- Weight: 0.9 lbs.

Part No.	Description	Price
174481CG	Electronics Pocket Reference	\$26.95



PCB Standoffs for 2 and 3-Lead Components

Designed for PCB mounting of multi-lead devices (e.g. LEDs, IR emitter/detector lamps, resistors, capacitors and diodes). Provide lead separation, retention and lateral stability, and height control. Standoffs vary in height from 0.12" to 1.00". Standoffs are UL94V0 material.



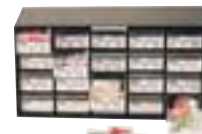
* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	10	100	1000
418423CG	STD120BLK	0.120"	\$.093	\$.068	\$.058
418431CG	STD140BLK	0.140"	.093	.068	.058
418440CG	STD160BLK	0.160"	.093	.068	.058
418458CG	STD180BLK	0.180"	.093	.068	.058
418466CG	STD200BLK	0.200"	.093	.068	.058
418474CG	STD220BLK	0.220"	.093	.068	.058
418482CG	STD240BLK	0.240"	.093	.068	.058
418491CG	STD250BLK	0.250"	.089	.068	.058
418503CG	STD260BLK	0.260"	.093	.068	.058
418511CG	STD280BLK	0.280"	.093	.068	.058
418520CG	STD300BLK	0.300"	.093	.068	.058
418538CG	STD320BLK	0.320"	.093	.068	.058
418546CG	STD340BLK	0.340"	.093	.068	.058
418554CG	STD360BLK	0.360"	.093	.068	.058
418562CG	STD380BLK	0.380"	.093	.068	.058
418571CG	STD400BLK	0.400"	.093	.068	.058
418589CG	STD420BLK	0.420"	.093	.068	.058
418597CG	STD440BLK	0.440"	.093	.068	.058
418600CG	STD460BLK	0.460"	.093	.068	.058
418618CG	STD480BLK	0.480"	.093	.068	.058
418626CG	STD500BLK	0.500"	.093	.068	.058
418634CG	STD550BLK	0.550"	.093	.068	.058
418642CG	STD600BLK	0.600"	.093	.068	.058
418651CG	STD650BLK	0.650"	.093	.068	.058
418669CG	STD700BLK	0.700"	.093	.068	.058
418677CG	STD750BLK	0.750"	.093	.068	.058
418685CG	STD800BLK	0.800"	.093	.068	.058
418693CG	STD850BLK	0.850"	.093	.068	.058
418706CG	STD900BLK	0.900"	.093	.068	.058
418714CG	STD950BLK	0.950"	.093	.068	.058
418722CG	STD1.0BLK	1.000"	.093	.068	.058

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319599CG), 20 clear plastic drawers (319601CG), 20 clear dividers (319610CG), pg 326 and labels
- 10 ea. standard-output LEDs (34657CG, 114673CG, 114681CG, 34606CG, 175695CG, 34825CG, 34690CG, 11359CG, 34761CG, 34711CG, 104248CG, 104256CG, 34673CG), pg 53 and 136493CG, pg 57
- 10 ea. HLMP series LEDs (11797CG), pg 56
- 10 ea. LED lens mount (14277CG), pg 57
- 100 ea. LEDs (94529CG, 135597CG), pg 55
- 100 ea. LED mounting hardware (95513CG, 23077CG), pg 60



SAVE \$24

Part No.	Description	Wt. (lbs.)	1	10
84996CG	560 piece kit	5.0	\$66.95	\$60.25

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7-Segment LED Displays

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

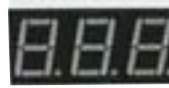
Quantity SAVE



Single Digit RHDP

Single Digit RHDP/LHDP

2-Digit RHDP



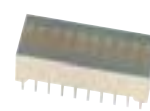
3-Digit RHDP



4x7 Hex Character



Dot Matrix



10-Bargraph



202526CG pg 62

5"

Optos

Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing			
										1	10	100	1000
320469CG	UA3031-16-EWRN	0.300"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	\$.78	\$.70	\$.56	\$.95
334983CG	UA3051-12	0.300"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.69	.61	.478
395639CG	UA3051-16EWR	0.300"	Red	CA	11	3.0 @ 20	0.8 @ 10	700	LHDP/RHDP	1.09	.98	.96	.81
334799CG	UC3051-11	0.300"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.85	.76	.60	.45
335003CG	UA3041R-12	0.300"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.74	.66	.59	.53
334801CG	UC3041R-11	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.54	.49
334810CG	UC3041R-20	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.94	.85	.69	.52
335011CG	UA3041-12	0.300"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.74	.66	.60	.54
335257CG	UC3671-11-M1-EWAK	0.360"	Super Bright Red	CC	10	1.7 @ 20	6.0 @ 10	643	RHDP	1.02	.93	.74	.55
334836CG	UA4071-11-UR EWAK	0.400"	Red	CA	10	1.9 @ 20	25.6 @ 10	660	RHDP	.96	.86	.78	.59
335021CG	UA4051-11	0.400"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.69	.62	.432	.41
334844CG	UC4041R-11	0.400"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.77	.73	.56	.44
334828CG	UC4041-11	0.400"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.77	.61	.46
335046CG	UA4041-11	0.400"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.77	.61	.46
335054CG	UN4043-13 EWRS	0.400"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	1.95	1.71	1.37	1.03
334852CG	UC4031-11	0.400"	Yellow	CC	10	2.1 @ 20	2.3 @ 10	585	RHDP	.88	.79	.63	.48
335038CG	UA4021-11	0.400"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	.88	.79	.71	.53
335214CG	UC5442-11 EWRS	0.540"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	2.35	2.03	1.85	1.39
335222CG	UA5422-11 EWRS	0.540"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.79	1.61	1.28	.96
334887CG	UC5651-11	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.91	.81	.65	.49
334933CG	UC5652-11	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.90	.68	.65
334959CG	UA5652-11	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.39	1.32	.98	.94
335089CG	UA5651-11	0.560"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.85	.65	.49
335273CG	UA5654-11 EWRS	0.560"	Red	4-digit CA	36	2.1 @ 20	0.8 @ 10	700	RHDP	1.99	1.78	1.43	1.07
334896CG	UC5641R-11	0.560"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.76	.74	.51	.401
334942CG	UC5642R-11	0.560"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.18	.95	.80	.64
334976CG	UA5642R-11	0.560"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.84	.63	.60
335101CG	UA5641R-11	0.560"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.75	.67	.50	.394
335312CG	UA5641-11	0.560"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.60	.50	.40	.38
334879CG	UC5641-11	0.560"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.65	.60	.416	.401
335152CG	UA5642-11	0.560"	Orange	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.88	.81	.64	.58
334924CG	UC5642-11	0.560"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.12	1.00	.80	.60
335185CG	UM5644R-11 RRRS	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.75	2.57	2.46	1.84
335127CG	UA5621-11	0.560"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	.75	.61	.40	.38
334861CG	UC5621-11	0.560"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.81	.70	.60	.54
334967CG	UA5622-11	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.65	1.45	1.20	.96
334917CG	UC5622-11	0.560"	Green	2-digit CC	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.04	.99	.74	.70
335169CG	UC5624-11 EWRS	0.560"	Green	4-digit CC	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.46	1.67	1.51
335177CG	UA5624-11 EWRS	0.560"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.75	2.47	2.25	1.69
335194CG	UM5624-11 EWRS	0.560"	Green	4-digit CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.34	2.24	1.64
334908CG	UC8041-21 EWRS	0.800"	Orange	CC	13	2.1 @ 20	3.8 @ 10	635	RHDP	1.06	.95	.76	.57
335281CG	UJ1141-21 EWRN	1.2"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	—	3.89	3.50	2.80	2.10
335290CG	UJ2041-22 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	—	3.39	3.15	2.90	2.73

LEDTECH



Other Manufacturers — Great Deals



24731CG	LSD3021-11	.300"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	\$.95	\$.86	\$.68	\$.51
308187CG	LC3041R-RRRN	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.80	.72	.57	.43
24740CG	LSD3221-11	.300"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.79	.72	.64	.58
24782CG	LSD3211-11	.300"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	.89	.75	.65	.49
308179CG	LC3951-11EWAK	.390"	Red	CC	10	2.1 @ 20	0.6 @ 10	700	RHDP	.79	.73	.68	.67
17187CG	LSD5051-11	.500"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.72	.65
17208CG	LSD5061-11	.500"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.75	.65	.49
104213CG	LSD5124-10	.560"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.80	.68	.60	.45
697485CG	LTD-6910HR	—	Red	2-digit CA	18	2.0 @ 150	3.9 @ 10	635	RHDP	.89	.87	.84	.79

* CA-Common Anode/CC-Common Cathode/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 14 segment ⚡ Blue Part No. = Limited Quantity Available

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242























7-Segment, Dot Matrix & Bargraph LED Displays

Color Code Legend			
New	Sale	Lower\$	QtySave

7-Segment LED Displays (Continued)

Quantity SAVE

See pg 61 for package

LEDTECH			 Other Manufacturers — Great Deals										
Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing			
										1	10	100	1000
308224CG	LM5643R-11RRRN	0.560"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	\$1.89	\$1.69	\$1.35	\$1.01
308232CG	LM5644R-11RRRN	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	3.15	2.69	2.15	1.61
199531CG	LS05111-11 	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.67
24715CG	LDD5121-20 	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24723CG	LDD5111-11 	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
200379CG	LB602VAGI	0.560"	Red	2-digit CA	18	2.0 @ 10	16 @ 10	650	RHDP	1.25	1.05	.89	.67
24694CG	LDD5124 	0.560"	Orange Red	2-digit CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.69	1.52	.96	.73
24707CG	LDD5114-20 	0.560"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
200539CG	ELD556YWA	0.560"	Yellow	2-digit CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	\$4.55 1.25	1.05	.89	.67
308216CG	LA5622-11EWRN	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	.73	.56	.45	.34
225963CG	KW3-562A2B 	0.560"	Green	3-digit CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.39	2.15	1.95	1.46
199582CG	LC56311 	0.560"	Yellow	CC	8	2.1 @ 20	5.2 @ 20	589	RHDP	1.43	1.25	1.09	.82
18737CG	LSDB16-11 	0.800"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.18	1.15	1.10	.99
308259CG	LA8071-11-MIEWRW	0.800"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.55	1.37	1.24	.93
18753CG	LSDB151-10 	0.800"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.29	1.14	.97	.87
176559CG	C8021-1	0.800"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.56	.51	.46	.35
308161CG	LA2541-24EWRN	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	2.45	2.26	1.73	1.30
97172CG	LS010061-10 	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.39	1.25	1.12	.99
97199CG	LS023265-10 	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.75	5.19	4.69	4.19
97201CG	LS023255-10 	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85	2.70
308208CG	LA2321-42EWRN	2.24"	Green	CA	10	4.2 @ 40	2.7 @ 10	567	RHDP	7.15	6.39	5.11	3.83
202518CG	LS030165-20 	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	7.39	6.65	5.98	5.39
202542CG	LS030155-20 	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.49	4.95	4.45	4.05
105591CG	LS040054-20  	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49	6.49
202500CG	LS040064-20 	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	7.79
202526CG	LS050065-20 	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	\$30.19 25.99	21.99	18.99	14.99
202534CG	LS050055-20 	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	19.75	15.78	14.24	10.68

* CA-Common Anode/CC-Common Cathode

LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

† 5 diodes per segment

Dot Matrix and Bargraph LED Displays

Quantity SAVE

NEW

Part No.	Cross Ref. No.	Jameco Socket Number	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing			
											1	10	100	1000
32951CG	TIL311	37161CG	0.300"	Red	4x7 Hex character	11	5.0 @ 5	0.1 @ 5	660	—	\$16.95	\$14.35	\$12.20	\$11.45
308152CG	LA5041R-11BRRRN	—	0.500"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	1.69	1.49	1.21	.91
118906CG	LTP747R	37161CG	0.680"	Orange Red	5 x 7 AC/CR	12	1.7 @ 20	0.2 @ 20	655	—	2.25	2.05	1.65	1.25
218843CG	CSM57041T-11	—	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	—	1.95	1.76	1.40	1.05
308144CG	LJ5763-M1FEWRN	—	1.10"	Red/Green	5 x 7 CC/AR	20	1.7/2.1 @ 20	10.8/20.0 @ 10	660/567	—	3.55	3.24	2.59	1.94
206560CG	LTP2157AG	—	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	—	1.85	1.65	1.49	1.34
183265CG	LMD5821ASR-20	—	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	—	4.95	4.49	3.95	2.96
334511CG	UL10000-E-EWAK	—	—	Green	Bargraph	4	2.1 @ 20	1.4 @ 10	567	—	1.22	.99	.81	.65
334529CG	UL10000-HR-RRAK	—	—	Red	Bargraph	4	2.1 @ 20	1.6 @ 10	635	—	1.18	.95	.78	.63
334537CG	UL10000-Y-EWAK	—	—	Yellow	Bargraph	4	2.1 @ 20	1.1 @ 10	585	—	1.15	.93	.77	.62
697469CG	LTA-1000G	—	—	Green	Bargraph	20	2.1 @ 20	2.0 @ 10	565	—	.69	.68	.66	.64
697477CG	LTA-1000HR	—	—	Hi-eff red	Bargraph	20	2.0 @ 20	2.0 @ 10	635	—	.63	.62	.60	.58
697493CG	LTL-2685HR	—	—	Red	Lightbar	16	2.0 @ 20	8.0 @ 10	—	—	.69	.68	.66	.64
697506CG	LTL-2885G	—	—	Green	Lightbar	16	2.1 @ 20	16.0 @ 10	—	—	.71	.69	.67	.65

* CA-Common Anode/CC-Common Cathode/AC-Anode Column/CR-Cathode Row/AR-Anode Row

LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

† Bargraph

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

JAMECO BenchPro 2-50mA LED Tester

This pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test at current ratings from 2-50mA. The seven middle positions on the strips are set at 10mA allowing comparison of LEDs in those spaces.

Requires: 9V battery (recommend P/N 198791CG, pg 262)

• Size: 3.2"L x 2.4"W x 0.9"H

Part No.	Description	Price
354968CG	LED tester	\$7.95

JAMECO BenchPro 2-150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA. Another 13 position strip ranging from 20mA to 150mA to test other types of LEDs with ACA (anode-cathode-anode) or CAC (cathode-anode-cathode) pin configuration. Includes 9V battery.

• Size: 3.1"L x 2.2"W x 0.9"H

Part No.	Description	Price
355805CG	LED tester	\$8.95

velleman 2-Digit Serial LED Display with Serial Interface Kit

- Bright, red jumbo-sized 7-segment displays (57mm)
- Easy platform control via RS-232 3-wire interface
- Multiple units can be linked easily to create large readout for score-keeping, timing, counting and other applications
- Up to 255 units can be separately addressed
- Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/no parity/one stop bit
- Size: 2.9"H x 2.3"W x 1.3"D

Part No.	Description	Price
645221CG	LED display	\$47.29

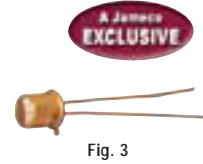
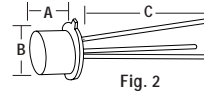
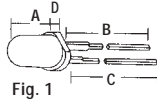
♣ RoHS compliant product

♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Infrared and Visible Light Emitters and Detectors

- Use for remote control and/or for fiber optics
- P/N 133946CG: Can be used with cameras, see page 287 (peak emission wavelength: 940nm @ 20mA)



Part No.	Cross Ref. No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing			
						A	B	C	D				1	10	100	1000
372710CG	UT0383-41-940	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	\$.23	\$.225	\$.151	\$.136
372728CG	UT0385-41-880	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	880	13	.30	.28	.176	.165
372737CG	UT1883-81-880	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.32	.22	.176	.158
372744CG	UT1885-81-880	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.30	.28	.176	.167
372761CG	UT1883-81-940	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.25	.197	.129	.116
372779CG	UT1885-81-940	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.29	.23	.151	.136
372817CG	UT6W83-AE-940	4	Infrared emitter diode (GaAs), sidelook	4.45mm x 2.31mm	—	—	—	—	—	1.3V @ 50mA	940	50	.29	.23	.144	.13
372963CG	UT0393-46-0125	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
372971CG	UT0395-46-0125	2	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
373000CG	UT1893-91-0125	1	Infrared phototransistor	T1 3/4	0.200/5	—	—	—	—	—	—	—	.26	.25	.192	.173
373042CG	UT6W93-AE-0125	4	Infrared phototransistor, side view	4.45mm x 2.31mm	—	—	—	—	—	—	—	—	.30	.28	.22	.198

Other Manufacturers

112150CG	LIR2043	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.22	\$.18	\$.14	\$.12
133946CG	SLI-0308CP	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	.62	.53	.40	.31
112176CG	LPT2023	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	.39	.29	.19	.15
106526CG	LVIR3333	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19	.15
112169CG	LT1893-82-0125	1	Infrared phototransistor	T1 3/4	0.200/5	0.31	1.05	1.10	0.04	—	940	—	.36	.30	.24	.20
120221CG	BPW777NA	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	1.99	1.89	1.55	1.21
172321CG	OP133	3	Infrared emitter diode (GaAs)	TO-46	—	0.22	0.18	1.05	0.20	1.4V @ 100mA	935	5	1.95	1.85	1.69	1.59

Lens color: 1 = water clear; 2 = blue clear Blue Part No. = Limited Quantity Available

LED Replacement Lamps

585 Series Polarized

- Low current draw – 90% less energy than incandescent
- No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Multi-Chip Based LED T1 - Midget Flange - Polarized

- Replaces incandescent lamp numbers: 327, 328, 330, 345, 350, 376, 377, 380, 381, 382, 385, 387, and 7341

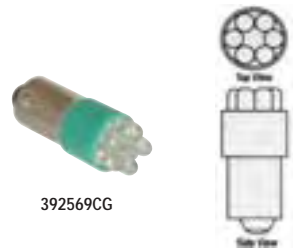
Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392674CG	585-1213	Ultra Red	14	20	280	625	\$5.79	\$5.65	\$4.48
392681CG	585-1313	Green	14	14	500	525	5.49	5.35	4.25
392690CG	585-1413	Yellow	14	20	530	588	5.49	5.35	4.25
392702CG	585-1215	Red	28	4.5	350	625	5.79	5.65	4.48
392711CG	585-1315	Green	28	4.5	300	525	5.49	5.35	4.25
392729CG	585-1415	Yellow	28	4.5	450	588	5.49	5.35	4.25



Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392551CG	585-5223	Red	14	20	7000	630	\$12.19	\$10.79	\$10.39
392569CG	585-5323	Green	14	20	6500	525	12.19	10.79	10.39
392585CG	585-5523	Yellow	14	20	7000	588	12.79	12.29	10.87
392593CG	585-5225	Red	28	15	6500	630	12.35	11.85	10.39
392606CG	585-5325	Green	28	15	6000	525	11.29	11.01	9.48
392622CG	585-5525	Yellow	28	15	6000	588	12.95	12.36	10.87
392632CG	585-5256	Red	120VAC	5.5	6500	625	9.89	9.64	8.31
392649CG	585-5356	Green	120VAC	5.5	7000	525	9.65	9.41	8.10
392665CG	585-5556	Yellow	120VAC	5.5	6500	590	11.15	10.87	9.35



Bayonet Based LED T3 Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 757, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
394476CG	585-4113	Red	14	20	550	630	\$7.85	\$7.24	\$5.28
394492CG	585-4115	Red	28	14	350	630	7.85	7.24	5.28



LED Panel-Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111CG/141129CG/141137CG: Chrome housing 141111CG 141129CG/141137CG 637183CG

Part No.	Cross Ref. No.	LED Size	Color	Dimensions (in.)	Mounting Hole	Vf @ If	1	10	100	1000
141111CG	L922SRD	T1	Red	.56 .34 .25	.23"	2V @ 20mA	\$.79	\$.60	\$.52	\$.45
141129CG	L913RD	T1	Red	.56 .39 .32	.24"	2V @ 20mA	1.09	.81	.69	.61
141137CG	L917RD	T1 3/4	Red	.70 .55 .47	.31"	2V @ 20mA	.89	.79	.71	.55
637183CG	UT2U1G-H113-R801-W05	T1 3/4	Green	.55 5.5 5.5	.24"	12V @ 30mA	1.29	1.05	.87	.76

Incandescent Panel Mount Lamps

- 215781CG/215790CG/215773CG: wire length - 3.9" (100mm)
- 215749CG/215757CG/215765CG: wire length - 4.9" (125mm)
- 215714CG/215722CG/215731CG: solder terminals - 0.196" (5mm)

Part No.	Cross Ref. No.	Fig.	Voltage	Color	Mounting Hole	1	10	100
215773CG	R9-46B-W100-12V-R	1	12	Red	1/2" (13mm)	\$1.79	\$1.61	\$1.20
215781CG	R9-46B-W100-12V-Y	1	12	Yellow	1/2" (13mm)	1.65	1.45	1.19
215790CG	R9-46B-W100-12V-G	1	12	Green	1/2" (13mm)	1.79	1.61	1.20
215749CG	R9-55B-W130-12V-R	2	12	Red	9/32" (7mm)	1.79	1.59	1.35
215757CG	R9-55B-W130-12V-Y	2	12	Yellow	9/32" (7mm)	1.65	1.45	1.19
215765CG	R9-55B-W130-12V-G	2	12	Green	9/32" (7mm)	1.79	1.59	1.35
215714CG	R9-71B-05-12V-R	3	12	Red	5/8" (16mm)	1.79	1.61	1.20
215722CG	R9-71B-05-12V-Y	3	12	Yellow	5/8" (16mm)	1.65	1.45	1.19
215731CG	R9-71B-05-12V-G	3	12	Green	5/8" (16mm)	1.79	1.61	1.20

Electroluminescence Wires

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Product No.	Color	1	10	25
263484CG	NWRB15	Blue	\$21.95	\$20.95	\$19.95
263505CG	NWRG15	Green	21.95	20.95	19.95
263492CG	NWRR15	Red	21.95	20.95	19.95

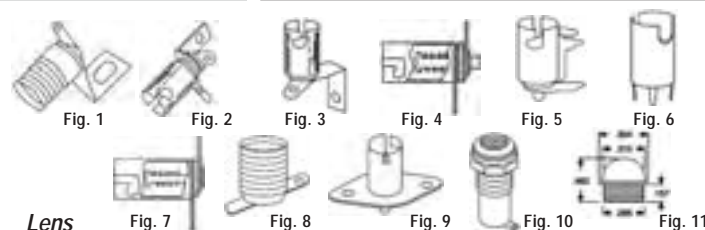


Lamp Sockets and Lens

NEW

Sockets

Part No.	Product No.	Fig.	Description	1	10	100
394257CG	35LH002	1	T3 1/4 screw-mini, non-insulated	\$.61	\$.48	\$.47
394265CG	35LH003	2	T3 1/4 bayonet-mini, insulated	2.05	1.56	1.53
394273CG	35LH004	3	T3 1/4 bayonet-mini, non insulated	2.25	1.75	1.58
394281CG	35LH005	4	T3 1/4 bayonet-mini, insulated	2.25	1.77	1.65
394290CG	35LH006	5	T3 1/4 bayonet-mini, insulated	2.35	1.86	1.74
394302CG	35LH007	6	T3 1/4 bayonet-mini, insulated	1.85	1.40	1.34
394311CG	35LH008	7	T3 1/4 bayonet-mini, insulated	1.85	1.40	1.34
394329CG	35LH010	8	T3 1/4 screw-mini, insulated	.51	.40	.38
394337CG	35LH011	9	T3 1/4 bayonet-mini, insulated	1.95	1.56	1.41
394345CG	352-0100	10	T1 3/4 midjet-screw, insulated	1.18	1.00	.90



Lens

Part No.	Product No.	Fig.	Description	1	10	100
394353CG	352-0101	11	Red, plastic	\$.37	\$.254	\$.238
394361CG	352-0102	11	Green, plastic	.37	.254	.238
394370CG	351-0103	11	Clear, plastic	.37	.254	.238
394388CG	352-0104	11	Orange, plastic	.37	.254	.238

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

Part No.	Cross Ref. No.	1	10	100
215802CG	R9-71N-05-120V-R	\$1.79	\$1.59	\$1.35
215811CG	R9-71N-05-120V-Y	1.79	1.59	1.35
215829CG	R9-71N-05-120V-G	1.79	1.59	1.35

Miniature Fluorescent Lamps

Add fluorescent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V - 800V output needed by lights.

Part No.	Prod. No.	Description	1	10	25
239610CG	FLW1	White light	\$9.95	\$8.95	\$7.95
239572CG	FLB1	Blue light	9.95	8.95	7.95
239581CG	FLBL1	Black light	9.95	8.95	7.95
239628CG	FLY1	Yellow light	9.95	8.95	7.95
239601CG	FLP1	Pink light	9.95	8.95	7.95
239599CG	FLG1	Green light	9.95	8.95	7.95
239636CG	FLPS1	12VDC PS	9.95	8.95	7.95

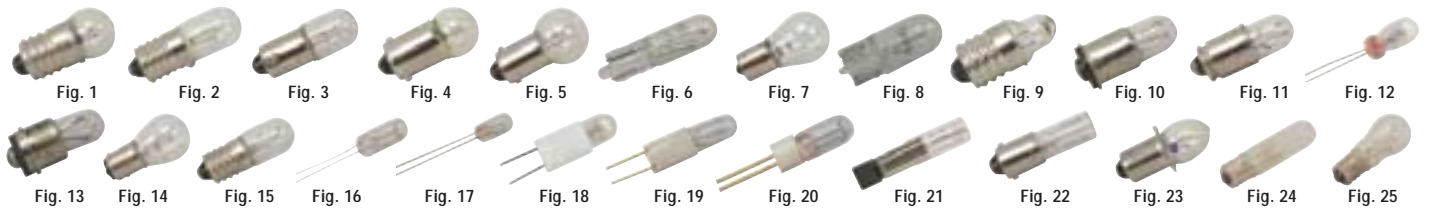


CdS Photocells

- Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
- Generate variable signal based on detection of light levels • Soldering: 230°C for 3 seconds • Operating temperature: -30°C to +70°C • Cadmium Sulfide (CdS)

Part No.	Cross Ref. No.	Rating	Resistance (Ω)	Size (inches)	Lead Spacing (inches)	Lead Length (inches)	1	10	100	1000
136055CG	CDST08	50	200	100k 10k	0.40 0.44	0.30 1.50	\$.89	\$.80	\$.69	\$.52
202366CG	CDS0029001	150	90	300k 4k	0.14 0.17	0.10 1.02	1.69	1.52	1.22	.99
120310CG	CDS0029004	150	90	2M 27k	0.14 0.17	0.10 1.44	1.45	1.20	1.09	.99
202391CG	CDS0029203	150	90	10M 5k	0.14 0.17	0.10 1.02	1.49	1.35	1.19	1.09
202382CG	CDS0029008	150	90	20M 10k	0.14 0.17	0.10 1.02	1.49	1.34	1.21	.99
202420CG	CDS0018003	150	100	500k 16k	0.17 0.20	0.13 1.02	.78	.70	.64	.58
202403CG	CDS0018001	150	100	200k 3k	0.17 0.20	0.13 1.02	1.49	1.35	1.19	1.09
202411CG	CDS0018006	150	100	5M 80k	0.17 0.20	0.13 1.02	.69	.65	.59	.55
202438CG	CDS0037004	200	150	500k 15k	0.25 0.29	0.20 1.02	1.49	1.34	1.07	.96
120301CG	CDS0037001	200	150	300k 3k	0.25 0.29	0.20 1.02	1.79	1.59	1.45	1.29
120299CG	CDS0045001	350	400	300k 8k	0.37 0.43	0.30 1.44	1.79	1.59	1.45	1.29
202454CG	CDS0045003	350	400	1M 12k	0.37 0.43	0.30 1.44	1.69	1.55	1.35	1.15

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Incandescent Lamps

Quantity SAVE

* Prepackaged: order in increments of 5, 10 or 100

Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing				
						1	5	10	100	
209381CG	13	1	G3 1/2 miniature screw	3.7	.98	\$.70 \$.62	\$.56	\$.496	\$.478	
209390CG	14	1	G3 1/2 miniature screw	2.47	.50	.55	.52	.49	.45	
209402CG	40	2	T3 1/4 miniature screw	6.3	.50	.35	.29	.19	.15	
209411CG	44	3	T3 1/4 miniature bayonet	6.3	.90	*	.19	.188	.141	
209429CG	46	2	T3 1/4 miniature screw	6.3	.90	.45	.37	.32	.27	
209437CG	47	3	T3 1/4 miniature bayonet	6.3	.50	*	.19	.188	.141	
209445CG	50	1	G3 1/2 miniature screw	7.5	1.0	.59	.53	.45	.337	
210403CG	51	4	G3 1/2 miniature bayonet	7.5	1.0	.34	.31	.278	.209	
209453CG	53	4	G3 1/2 miniature bayonet	14.4	1.0	.54	.484	.429	.322	
210411CG	55	5	G4 1/2 miniature bayonet	7.0	2.0	*	.166	.12	.09	
209461CG	73	6	T1 3/4 wedge	14.0	.30	.24	.218	.19	.165	
209470CG	85	6	T1 3/4 wedge	28.0	.30	.27	.24	.21	.158	
209488CG	86	6	T1 3/4 wedge	6.3	.40	*	.19	.171	.128	
209496CG	93	7	S-8 snl contact bayonet	12.8	15.0	.32	.284	.256	.23	
209509CG	161	8	T3 1/4 wedge	14.0	1.0	.35	.31	.24	.18	
209517CG	168	8	T3 1/4 wedge	14.0	3.0	.24	.216	.173	.13	
209525CG	194	8	T3 1/4 wedge	14.0	2.0	*	.19	.185	.139	
209533CG	222	9	GTL-3 miniature screw	2.25	—	.28	.27	.229	.172	
209541CG	259	8	T3 1/4 wedge	6.3	.65	.22	.19	.184	.138	
209550CG	313	3	T3 1/4 miniature bayonet	28.0	3.5	.23	.21	.198	.149	
209568CG	327	10	T1 3/4 midget flange	28.0	.34	.27	.26	.24	.23	
209576CG	328	10	T1 3/4 midget flange	6.0	.60	.41	.39	.36	.27	
209584CG	330	10	T1 3/4 midget flange	14.0	.50	.32	.305	.288	.251	
209592CG	334	11	T1 3/4 midget groove	28.0	.34	.38	.342	.308	.231	
209605CG	335	15	T1 3/4 midget screw	28.0	.34	.40	.385	.346	.30	
209613CG	344	10	T1 3/4 midget flange	10.0	.002	.99	.89	.76	.57	
209621CG	345	10	T1 3/4 midget flange	6.0	.03	\$.36 .26	.234	.211	.19	
209630CG	370	10	T1 3/4 midget flange	18.0	.15	\$.36 .26	.234	.211	.19	
209648CG	376	10	T1 3/4 midget flange	28.0	.34	\$.34 .27	.247	.222	.20	
209656CG	379	11	T1 3/4 midget groove	6.3	.40	\$.36 .29	.259	.233	.21	
209664CG	381	10	T1 3/4 midget flange	6.3	.40	.38	.365	.344	.251	
209672CG	382	10	T1 3/4 midget flange	14.0	.30	.61	.56	.49	.368	
209681CG	385	10	T1 3/4 midget flange	28.0	.15	.34	.309	.278	.25	
209699CG	386	11	T1 3/4 midget groove	14.0	.30	.45	.39	.33	.27	
209701CG	387	10	T1 3/4 midget flange	28.0	.30	.37	.34	.27	.25	
209710CG	388	11	T1 3/4 midget groove	28.0	.30	.32	.305	.288	.23	
209728CG	394	10	T1 3/4 midget flange	12.0	.12	.36	.35	.32	.24	
209736CG	656	8	T3 1/4 wedge .06A	28.0	.62	.20	.18	.168	.126	
209752CG	657	8	T3 1/4 wedge .08A	28.0	.62	.23	.205	.184	.138	
202100CG	683	12	T1 wire terminal	5.0	.05	.54	.429	.385	.308	
209761CG	685	13	T1 sub midget flange	5.0	.05	\$.55 .42	.382	.344	.31	
209779CG	715	12	T1 wire terminal	5.0	.15	.91	.82	.70	.525	
209787CG	755	3	T3 1/4 miniature bayonet	6.3	.33	.49	.44	.37	.30	
209795CG	756	3	T3 1/4 miniature bayonet	14.0	.31	.40	.38	.328	.246	
209808CG	757	3	T3 1/4 miniature bayonet	28.0	.62	.42	.35	.32	.27	
210438CG	1156	7	S-8 snl contact bayonet	12.8	32	.49	.45	.39	.293	
210446CG	1157	14	S-8 double contact index	12.8/14	32/3	.32	.31	.293	.22	
209816CG	1450	4	G3 1/2 miniature bayonet	24.0	.23	.99	.89	.76	.57	
209824CG	1813	3	T3 1/4 miniature bayonet	14.4	.86	.28	.26	.232	.174	
209832CG	1815	3	T3 1/4 miniature bayonet	14.0	1.4	.38	.34	.293	.22	
209841CG	1816	3	T3 1/4 miniature bayonet	13.0	3.0	.24	.22	.208	.156	
209859CG	1818	3	T3 1/4 miniature bayonet	24.0	3.3	.81	.78	.75	.56	
209867CG	1819	3	T3 1/4 miniature bayonet	28.0	.34	.23	.21	.198	.149	
209875CG	1820	3	T3 1/4 miniature bayonet	28.0	1.6	.30	.28	.26	.195	
209883CG	1821	15	T3 1/4 screw	28.0	3.4	.99	.89	.79	.59	
209891CG	1822	3	T3 1/4 miniature bayonet	36.0	2.1	.29	.28	.27	.203	
209904CG	1829	3	T3 1/4 miniature bayonet	28.0	1.0	.23	.21	.208	.156	

Incandescent Lamps (Continued)

SALE

Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing				
						1	5	10	100	
209912CG	1835	3	T3 1/4 miniature bayonet	55.0	1.1	\$.36	\$.35	\$.342	\$.257	
209921CG	1847	3	T3 1/4 miniature bayonet	6.3	.38	.55	.49	.36	.27	
209939CG	1850	3	T3 1/4 miniature bayonet	5.0	.25	.50	.45	.38	.285	
209947CG	1864	3	T3 1/4 miniature bayonet	28.0	3.0	.55	.50	.40	.30	
209955CG	1866	3	T3 1/4 miniature bayonet	6.3	.65	.59	.55	.53	.396	
209963CG	1891	3	T3 1/4 min. bayonet .24A	14.0	2.0	.38	.365	.352	.264	
141073CG	2182	16	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34	
141065CG	2200	16	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44	
141057CG	6833	17	T 3/4 wire terminal	5.0	.05	1.25	1.15	1.07	.80	
209998CG	7219	12	T1 wire terminal	12.0	.15	.35	.29	.25	.19	
210008CG	7328	18	T1 3/4 bi-pin	6.0	.60	.89	.79	.69	.59	
210016CG	7335	10	T1 3/4 midget flange	5.0	.15	.59	.50	.40	.30	
210024CG	7341	10	T1 3/4 midget flange	28.0	.65	.69	.66	.54	.405	
141006CG	7361	18	T1 3/4 bi-pin	5.0	.05	.99	.89	.79	.69	
210032CG	7382	18	T1 3/4 bi-pin	14.0	.30	.61	.49	.44	.33	
210041CG	7387	18	T1 3/4 bi-pin	28.0	.30	.61	.56	.49	.36	
210059CG	7632	19	T1 1/4 bi-pin	28.0	.32	1.29	.99	.89	.67	
210067CG	7683	20	T1 bi-pin	5.0	.05	.99	.75	.60	.45	
210075CG	7715	20	T1 bi-pin	5.0	.15	1.19	.99	.89	.79	
210083CG	7839	20	T1 bi-pin	28.0	.15	1.49	1.24	1.11	.83	
210227CG	6PSB	21	T2 tel. slide base type 5	6.0	550	\$.42 .38	.346	.31	.28	
309673CG	6S6	25	S6 candelabra	120	—	.84	.80	.76	.57	
210112CG	12ESB	21	T2 tel. slide base type 5	12.0	650	.54	.49	.41	.308	
210121CG	12PSB	21	T2 tel. slide base type 5	12.0	2000	.54	.49	.41	.308	
309681CG	20T6 1/2	24	T6 1/2 20W intermediate	120	—	1.69	1.59	1.55	1.16	
210139CG	24ESB	21	T2 tel. slide base type 5	24.0	850	.54	.49	.41	.308	
210147CG	24MB	22	T2 miniature bayonet	24.0	3000	.79	.65	.55	.413	
210163CG	28ESB	21	T2 tel. slide base type 5	28.0	1500	.59	.51	.45	.338	
210171CG	28MB	22	T2 miniature bayonet	28.0	1600	\$.58 .44	.396	.356	.32	
210180CG	28PSB	21	T2 tel. slide base type 5	28.0	1600	.69	.62	.53	.395	
210198CG	48PSB	21	T2 tel. slide base type 5	48.0	1800	\$.62 .45	.408	.367	.33	
210201CG	60MB	22	T2 miniature bayonet	60.0	2200	\$.58 .49	.444	.40	.36	
210219CG	60PSB	21	T2 tel. slide base type 5	60.0	2200	.55	.50	.485	.364	
210091CG	120MB	22	T2 miniature bayonet	120.0	1200	.86	.81	.74	.61	
210104CG	120PSB	21	T2 tel. slide base type 5	120.0	1200	.69	.65	.59	.55	
210340CG	PR2	23	B3 1/2 snl cont. mini flange	2.38	.80	.20	.19	.176	.132	
210358CG	PR3	23	B3 1/2 snl cont. mini flange	3.57	1.5	.20	.185	.174	.131	
210366CG	PR4	23	B3 1/2 snl cont. mini flange	2.33	.40	.20	.19	.174	.131	
210374CG	PR6	23	B3 1/2 snl cont. mini flange	2.47	.45	.20	.19	.174	.131	

Quantity SAVE

Neon Lamps

Part No.	Cross Ref. No.	Fig.	Description	Voltage	Pricing				
					1	5	10	100	
27351CG	A1A (NE-2)	1	Wire terminal .6mA	65-120	\$.42	\$.35	\$.31	\$.26	
210243CG	A1B	1	Wire terminal .3mA	65-120	.25	.24	.232	.174	
210251CG	A1C	1	Wire terminal 1.2mA	65-120	.34	.325	.29	.25	
210260CG	A9A (NE-2E)	1	Wire terminal .7mA	65-120	.25	.238	.232	.174	
210278CG	B1A (NE-51)	2	T3 1/4 miniature bayonet	65-120	.77	.70	.68	.51	
210286CG	B2A (NE-51H)	2	T3 1/4 miniature bayonet	65-120	.86	.74	.61	.451	
210294CG	B7A (NE-45)	3	T4 1/2 candelabra screw	65-120	3.55	3.10	2.75	2.06	
210315CG	C2A (NE-2H)	1	Wire terminal	65-120	.45	.39	.35	.26	

JAMECO ValuePro

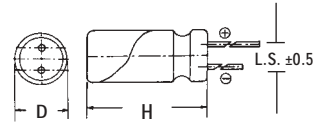


Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

85°C – General Purpose



* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609043CG	UVR2A0R1MDD	0.1	100V	5 x 11 x 2	*	\$.098	\$.081	\$.055
609078CG	UVR2AR22MDD	0.22	100V	5 x 11 x 2	*	.095	.078	.048
609086CG	UVR2AR33MDD	0.33	100V	5 x 11 x 2	*	.095	.078	.048
330464CG	RA0.47/50	0.47	50V	5 x 11 x 2	*	.045	.039	.03
609094CG	UVR2AR47MDD	0.47	100V	5 x 11 x 2	*	.095	.078	.048
330536CG	RA.47/160	0.47	160V	5 x 11 x 2	*	.125	.088	.066
330430CG	RA1/25	1	25V	5 x 11 x 2	*	.045	.039	.03
94160CG	5R1/50	1	50V	4 x 5 x 1.5	*	.12	.08	.05
29832CG	R1/50	1	50V	5 x 11 x 2	*	.063	.053	.042
609035CG	UVR2A010MDD	1	100V	5 x 11 x 2	*	.098	.082	.055
330544CG	RA1/160	1	160V	6 x 11 x 2.5	*	.047	.04	.03
330588CG	RA1/250	1	250V	6 x 11 x 2.5	*	.065	.06	.053
330405CG	RA2.2/16	2.2	16V	5 x 11 x 2	*	.045	.039	.03
93730CG	R2.2/50	2.2	50V	5 x 11 x 2	*	.038	.033	.026
199021CG	R2.2/100	2.2	100V	5 x 11 x 2	*	.035	.03	.025
609123CG	UVR2C2R2MED	2.2	160V	6.3 x 11 x 2.5	.20	.126	.08	.056
609182CG	UVR2E2R2MED	2.2	250V	6.3 x 11 x 2.5	.22	.141	.097	.066
609254CG	UVR2V2R2MPD	2.2	350V	8 x 11.5 x 3.5	.27	.182	.128	.088
609211CG	UVR2G2R2MPD	2.2	400V	10 x 12.5 x 5	.30	.213	.152	.112
135184CG	R3.3/50	3.3	50V	5 x 11 x 2	*	.05	.04	.03
609051CG	UVR2A3R3MDD	3.3	100V	5 x 11 x 2	*	.095	.078	.058
609191CG	UVR2E3R3MPD	3.3	250V	8 x 11.5 x 3.5	.25	.166	.12	.08
609271CG	UVR2V3R3MPD	3.3	350V	10 x 12.5 x 5	.30	.229	.16	.12
330413CG	RA4.7/16	4.7	16V	5 x 11 x 2	*	.045	.04	.03
330448CG	RA4.7/25	4.7	25V	5 x 11 x 2	*	.045	.039	.03
31001CG	R4.7/50	4.7	50V	6 x 11 x 2	*	.042	.037	.029
609060CG	UVR2A4R7MDD	4.7	100V	5 x 11 x 2	*	.103	.088	.058
609158CG	UVR2C4R7MED	4.7	160V	6.3 x 11 x 2.5	*	.119	.08	.048
330595CG	RA4.7/250	4.7	250V	8 x 11 x 3.5	*	.112	.094	.083
609297CG	UVR2V4R7MPD	4.7	350V	10 x 12.5 x 5	.30	.229	.16	.12
609220CG	UVR2G4R7MPD	4.7	400V	10 x 16 x 5	.37	.269	.196	.141
198838CG	R10J/16	10	16V	5 x 11 x 2	*	.045	.03	.025
94211CG	5R10/25	10	25V	4 x 5 x 1.5	*	.13	.08	.05
94220CG	5R10/35	10	35V	5 x 5 x 2	*	.09	.07	.065
94369CG	7R10/35	10	35V	5 x 7 x 2	*	.09	.07	.065
29892CG	R10/50	10	50V	5 x 11 x 2	*	.067	.055	.045
330482CG	RA10/63	10	63V	5 x 11 x 2	*	.056	.047	.038
199048CG	R10J/100	10	100V	6 x 11 x 2.5	*	.07	.06	.05
330552CG	RA10/160	10	160V	8 x 11 x 3.5	*	.122	.104	.078
330608CG	RA10/250	10	250V	10 x 15 x 5	*	.16	.133	.114
330632CG	RA10/350	10	350V	10 x 20 x 5	.25	.213	.17	.127
609203CG	UVR2G100MHD	10	400V	12.5 x 20 x 5	.45	.34	.248	.186
330641CG	RA10/450	10	450V	13 x 21 x 5	.46	.414	.333	.241
198847CG	R22J/16	22	16V	5 x 11 x 2	*	.04	.035	.026
189918CG	R22J/25	22	25V	5 x 11 x 2	*	.032	.027	.023
198942CG	R22J/35	22	35V	5 x 11 x 2	*	.029	.026	.023
93738CG	R22/50	22	50V	5 x 11 x 2	*	.062	.053	.039
608972CG	UVR1J220MDD	22	63V	5 x 11 x 2	*	.111	.072	.048
199056CG	R22J/100	22	100V	6 x 11 x 2.5	*	.15	.09	.06
609107CG	UVR2C220MPD	22	160V	10 x 16 x 5	.30	.213	.16	.112
609166CG	UVR2E220MHD	22	250V	12.5 x 20 x 5	.48	.356	.256	.186
609246CG	UVR2V220MHD	22	350V	12.5 x 25 x 5	.49	.371	.28	.203
330659CG	RA22/450	22	450V	16 x 26 x 7.5	.58	.517	.456	.39
198854CG	R33J/16	33	16V	5 x 11 x 2	*	.033	.028	.019
198926CG	R33J/25	33	25V	5 x 11 x 2	*	.05	.039	.028
609027CG	UVR1V330MDD	33	35V	5 x 11 x 2	*	.103	.085	.058
93746CG	R33/50	33	50V	6 x 11 x 2.5	*	.055	.05	.045
608999CG	UVR1J330MED	33	63V	6.3 x 11 x 2.5	*	.126	.088	.064

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
199064CG	R33J/100	33	100V	8 x 11 x 3.5	*	\$.11	\$.093	\$.07
609131CG	UVR2C330MPD	33	160V	10 x 20 x 5	.45	.34	.248	.178
609262CG	UVR2V330MHD	33	350V	16 x 25 x 7.5	.85	.63	.472	.348
330667CG	RA33/450	33	450V	16 x 30 x 7.5	1.09	.97	.86	.62
135302CG	R47/10	47	10V	5 x 12 x 2	*	.04	.03	.023
198862CG	R47J/16	47	16V	5 x 11 x 2	*	.04	.032	.023
93754CG	R47/25	47	25V	5 x 11 x 2	*	.053	.037	.027
198951CG	R47J/35	47	35V	5 x 11 x 2	*	.05	.04	.03
31155CG	R47/50	47	50V	6 x 11 x 2.5	*	.067	.056	.05
330499CG	RA47/63	47	63V	8 x 12 x 3.5	*	.089	.075	.056
199073CG	R47J/100	47	100V	10 x 12 x 5	*	.15	.13	.10
330561CG	RA47/160S	47	160V	10 x 20 x 5	.34	.31	.276	.238
330616CG	RA47/250	47	250V	13 x 25 x 5	.57	.508	.447	.388
609289CG	UVR2V470MHD	47	350V	16 x 35.5 x 7.5	1.37	1.04	.78	.57
330675CG	RA47/450	47	450V	18 x 30 x 7.5	1.75	1.21	.92	.70
608809CG	UVR0J101MDD	100	6.3V	5 x 11 x 2	*	.087	.075	.048
207812CG	R100/10	100	10V	5 x 11 x 2	*	.08	.06	.045
330422CG	RA100/16	100	16V	5 x 11 x 2	*	.056	.055	.048
94289CG	5R100/16	100	16V	6 x 5 x 2.5	*	.15	.12	.09
94431CG	7R100/16	100	16V	6 x 7 x 2.5	*	.15	.12	.09
93763CG	R100/25	100	25V	6 x 11 x 2.5	*	.078	.056	.039
198969CG	R100J/35	100	35V	6 x 11 x 2.5	*	.07	.06	.05
29964CG	R100/50	100	50V	8 x 11 x 3.5	*	.078	.067	.056
330501CG	RA100/63	100	63V	8 x 14 x 3.5	*	.122	.104	.078
330528CG	RA100/100	100	100V	10 x 20 x 5	.33	.282	.266	.19
330579CG	RA100/160S	100	160V	13 x 25 x 5	.56	.498	.437	.371
330625CG	RA100/250	100	250V	16 x 30 x 7.5	1.25	1.09	.95	.68
609238CG	UVR2V101MHD	100	350V	18 x 40 x 7.5	1.41	1.07	.83	.61
330683CG	RA100/450	100	450V	22 x 42 x 10.5	3.39	3.03	2.08	1.56
608833CG	UVR0J221MDD	220	6.3V	5 x 11 x 2	*	.119	.08	.056
135124CG	7R220/10	220	10V	6 x 7 x 2.5	.26	.23	.19	.142
198871CG	R220J/16	220	16V	6 x 11 x 2.5	*	.11	.07	.06
30497CG	R220/25	220	25V	8 x 11 x 3.5	*	.08	.06	.05
93771CG	R220/35	220	35V	8 x 12 x 5	*	.09	.08	.07
93780CG	R220/50	220	50V	10 x 15 x 5	*	.167	.133	.10
330510CG	RA220/63	220	63V	10 x 17 x 5	.27	.235	.188	.141
199081CG	R220J/100	220	100V	12 x 25 x 5	.52	.47	.37	.28
609115CG	UVR2C221MHD	220	160V	16 x 35.5 x 7.5	1.29	.98	.73	.52
609174CG	UVR2E221MRD	220	250V	20 x 40 x 10	2.69	2.23	1.72	1.29
608868CG	UVR0J331MED	330	6.3V	6.3 x 11 x 2.5	*	.126	.088	.064
608921CG	UVR1A331MED	330	10V	6.3 x 11 x 2.5	.23	.15	.104	.072
198891CG	R330J/16	330	16V	8 x 11 x 3.5	*	.132	.066	.056
93797CG	R330/25	330	25V	8 x 12 x 3.5	*	.144	.10	.089
198977CG	R330J/35	330	35V	10 x 12 x 5	*	.126	.101	.075
330472CG	RA330/50	330	50V	10 x 20 x 5	.26	.235	.188	.141
609001CG	UVR1J331MPD	330	63V	10 x 20 x 5	.50	.371	.28	.203
199099CG	R330J/100	330	100V	12 x 25 x 5	.60	.54	.43	.32
330384CG	RA470/10	470	10V	8 x 11 x 3.5	*	.103	.083	.062
93811CG	R470/16	470	16V	8 x 11 x 3.5	*	.11	.103	.099
31182CG	R470/25	470	25V	8 x 14 x 5	*	.133	.111	.083
93818CG	R470/35	470	35V	10 x 16 x 5	*	.17	.15	.13
93827CG	R470/50	470	50V	10 x 20 x 5	.32	.31	.21	.144
158465CG	R470B63	470	63V	12 x 20 x 5	.39	.333	.296	.246
609019CG	UVR1J471MHD	470	63V	12.5 x 20 x 5	.69	.514	.384	.284
199101CG	R470J/100	470	100V	16 x 25 x 7.5	1.15	.81	.73	.58
609140CG	UVR2C471MRD	470	160V	22 x 40 x 10	2.55	1.91	1.46	1.09
330456CG	RA680/25S	680	25V	8 x 16 x 3.5	.97	.87	.70	.525
330392CG	RA1000/10	1000	10V	8 x 14 x 3.5	*	.132	.114	.091

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

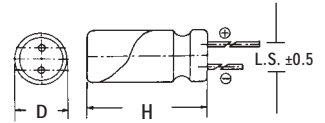
JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



85°C – General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
30016CG	R1000/16	1000	16V	10 x 16 x 5	*	\$.16	\$.14	\$.12
93834CG	R1000/25	1000	25V	10 x 20 x 5	.28	.25	.23	.18
286045CG	Q399L	1000	35V	12 x 20 x 5	.50	.46	.41	.33
93842CG	R1000/50	1000	50V	13 x 25 x 5	.58	.51	.455	.38
608964CG	UVR1J102MHD	1000	63V	16 x 25 x 7.5	1.11	.84	.63	.454
199110CG	R1000J/100	1000	100V	18 x 40 x 7.5	2.29	2.06	1.65	1.24
608841CG	UVR0J222MPD	2200	6.3V	10 x 20 x 5	.41	.316	.224	.162
608913CG	UVR1A222MPD	2200	10V	10 x 20 x 5	.45	.332	.248	.178
133146CG	R2200/16	2200	16V	10 x 20 x 5	.36	.31	.267	.244
30535CG	R2200/25	2200	25V	13 x 21 x 5	.61	.545	.444	.333
198986CG	R2200J/35	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
608956CG	UVR1H222MHD	2200	50V	16 x 35.5 x 7.5	1.55	1.14	.87	.62
608981CG	UVR1J222MHD	2200	63V	18 x 35.5 x 7.5	1.49	1.14	.87	.65
198897CG	R3300J/16	3300	16V	12 x 25 x 5	.49	.39	.33	.29
30892CG	R3300/25	3300	25V	13 x 29 x 5	.79	.72	.545	.409
198993CG	R3300J/35	3300	35V	16 x 35 x 7.5	.87	.77	.67	.57

ⓘ Blue Part No. = Limited Quantity Available



Part No.	Cross Ref. No. †	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
199013CG	R3300J/50	3300	50V	18 x 35 x 7.5	\$2.15	\$1.94	\$1.55	\$1.16
608876CG	UVR0J472MHD	4700	6.3V	12.5 x 20 x 5	.72	.545	.408	.30
608930CG	UVR1A472MHD	4700	10V	12.5 x 25 x 5	.87	.65	.488	.348
198900CG	R4700J/16	4700	16V	16 x 25 x 7.5	.79	.71	.64	.58
93851CG	R4700/25	4700	25V	16 x 31 x 7.5	1.10	.94	.78	.61
199005CG	R4700J/35	4700	35V	18 x 35 x 7.5	1.15	1.03	.82	.61
163302CG	R4700/50	4700	50V	22 x 42 x 10	2.25	1.99	1.67	1.45
608884CG	UVR0J682MHD	6800	6.3V	12.5 x 25 x 5	.92	.70	.528	.381
31511CG	R6800/16	6800	16V	16 x 26 x 7.5	1.10	.87	.76	.66
198934CG	R6800J/25	6800	25V	18 x 35 x 7.5	1.59	1.43	1.14	.86
608817CG	UVR0J103MHD	10,000	6.3V	16 x 25 x 7.5	1.30	.98	.74	.531
608892CG	UVR1A103MHD	10,000	10V	16 x 35.5 x 7.5	1.48	1.13	.86	.62
608948CG	UVR1C103MHD	10,000	16V	18 x 35.5 x 7.5	1.59	1.18	.90	.64
608825CG	UVR0J153MHD	15,000	6.3V	16 x 35.5 x 7.5	1.55	1.15	.87	.62
608905CG	UVR1A153MHD	15,000	10V	18 x 35.5 x 7.5	1.59	1.19	.90	.64
608850CG	UVR0J223MHD	22,000	6.3V	18 x 40 x 7.5	1.59	1.19	.91	.68

105°C – HT Type General Purpose

609545CG	UVZ1H0R1MDD	0.1	50V	5 x 11 x 2	\$.20	\$.126	\$.088	\$.056
609617CG	UVZ1HR22MDD	0.22	50V	5 x 11 x 2	.20	.126	.088	.056
609625CG	UVZ1HR33MDD	0.33	50V	5 x 11 x 2	.20	.126	.088	.056
609633CG	UVZ1HR47MDD	0.47	50V	5 x 11 x 2	.20	.126	.088	.056
158481CG	RO.47B100	0.47	100V	5 x 11 x 2	* .05	.04	.03	
607831CG	UPW1H010MDD	1	50V	5 x 11 x 2	*	.119	.088	.072
330772CG	RB1/50	1	50V	5 x 11 x 2	*	.056	.046	.036
608323CG	UPW2A010MDD	1	100V	5 x 11 x 2	.20	.134	.096	.072
158490CG	R1B100	1	100V	5 x 11 x 2	*	.06	.05	.04
330835CG	RB1/160	1	160V	5 x 11 x 2	* .078	.066	.049	
609895CG	UVZ2D010MED	1	200V	6.3 x 11 x 2.5	.23	.16	.114	.079
609959CG	UVZ2E010MED	1	250V	6.3 x 11 x 2.5	.23	.166	.112	.072
610028CG	UVZ2W010MPD	1	450V	8 x 11.5 x 3.5	.29	.213	.152	.104
609561CG	UVZ1H2R2MDD	2.2	50V	5 x 11 x 2	*	.103	.088	.058
607937CG	UPW1H2R2MDD	2.2	50V	5 x 11 x 2	*	.119	.088	.072
609772CG	UVZ2A2R2MDD	2.2	100V	5 x 11 x 2	.20	.126	.088	.056
608366CG	UPW2A2R2MDD	2.2	100V	5 x 11 x 2	.20	.134	.096	.08
609844CG	UVZ2C2R2MED	2.2	160V	6.3 x 11 x 2.5	.23	.158	.112	.072
609924CG	UVZ2D2R2MED	2.2	200V	6.3 x 11 x 2.5	.26	.182	.128	.088
609983CG	UVZ2E2R2MED	2.2	250V	6.3 x 11 x 2.5	.30	.205	.144	.096
610052CG	UVZ2W2R2MPD	2.2	450V	10 x 12.5 x 5	.37	.277	.20	.144
607961CG	UPW1H3R3MDD	3.3	50V	5 x 11 x 2	*	.119	.088	.072
609799CG	UVZ2A3R3MDD	3.3	100V	5 x 11 x 2	.20	.134	.096	.064
608382CG	UPW2A3R3MDD	3.3	100V	5 x 11 x 2	.24	.166	.12	.096
609681CG	UVZ2C3R3MED	3.3	160V	6.3 x 11 x 2.5	.30	.198	.144	.102
609932CG	UVZ2D3R3MED	3.3	200V	6.3 x 11 x 2.5	.30	.205	.144	.096
610001CG	UVZ2E3R3MPD	3.3	250V	8 x 11.5 x 3.5	.30	.205	.144	.096
610079CG	UVZ2W3R3MPD	3.3	450V	10 x 16 x 5	.44	.332	.24	.17
609596CG	UVZ1H3R3MDD	3.6	50V	5 x 11 x 2	.20	.126	.088	.056
607996CG	UPW1H4R7MDD	4.7	50V	5 x 11 x 2	*	.119	.088	.072
330781CG	RB4.7/50	4.7	50V	5 x 11 x 2	*	.056	.046	.036
609810CG	UVZ2A4R7MDD	4.7	100V	5 x 11 x 2	.20	.134	.096	.064
609887CG	UVZ2C4R7MED	4.7	160V	6.3 x 11 x 2.5	.30	.205	.144	.096
609941CG	UVZ2D4R7MPD	4.7	200V	8 x 11.5 x 3.5	.30	.229	.168	.12
330851CG	RB4.7/250	4.7	250V	8 x 11 x 3.5	* .14	.122	.105	
610087CG	UVZ2W4R7MPD	4.7	450V	10 x 20 x 5	.54	.403	.304	.219
330691CG	RB10/16	10	16V	5 x 11 x 2	*	.039	.034	.029
607849CG	UPW1H100MDD	10	50V	5 x 11 x 2	.20	.134	.096	.072
330799CG	RB10/50	10	50V	5 x 11 x 2	*	.056	.046	.036
609641CG	UVZ1J100MDD	10	63V	5 x 11 x 2	*	.126	.096	.064

ⓘ Blue Part No. = Limited Quantity Available

608331CG	UPW2A100MED	10	100V	6.3 x 11 x 2.5	\$.27	\$.198	\$.144	\$.112
158529CG	R10B100	10	100V	6 x 11 x 2.5	*	.08	.07	.055
330843CG	RB10/160	10	160V	8 x 11 x 3.5	*	.149	.127	.095
609908CG	UVZ2D100MPD	10	200V	10 x 12.5 x 5	.38	.284	.208	.144
330861CG	RB10/250	10	250V	10 x 17 x 5	.22	.207	.181	.162
610036CG	UVZ2W100MHD	10	450V	12.5 x 20 x 5	.82	.62	.464	.332
608059CG	UPW1J120MDD	12	63V	5 x 11 x 2	.25	.174	.12	.096
606926CG	UHE1J150MDD	15	63V	5 x 11 x 2	*	.111	.08	.072
607110CG	UHE2A150MED	15	100V	6.3 x 11 x 2.5	*	.142	.104	.088
608067CG	UPW1J180MDD	18	63V	5 x 11 x 2	.25	.19	.136	.104
607401CG	UPW1A220MDD	22	10V	5 x 11 x 2	*	.126	.09	.085
207870CG	R22B/25	22	25V	5 x 11 x 2	*	.036	.028	.021
158326CG	R22B35	22	35V	5 x 11 x 2	*	.07	.05	.03
607890CG	UPW1H220MDD	22	50V	5 x 11 x 2	.25	.174	.12	.096
606811CG	UHE1H220MDD	22	50V	5 x 11 x 2	*	.111	.08	.072
330801CG	RB22/50	22	50V	6 x 11 x 2.5	*	.067	.055	.04
609650CG	UVZ1J220MDD	22	63V	5 x 11 x 2	.23	.166	.12	.072
608083CG	UPW1J220MED	22	63V	6.3 x 11 x 2.5	.25	.19	.136	.104
609828CG	UVZ2C220MPD	22	160V	10 x 16 x 5	.44	.324	.232	.17
609975CG	UVZ2E220MHD	22	250V	12.5 x 20 x 5	.51	.387	.288	.211
610044CG	UVZ2W220MHD	22	450V	16 x 25 x 7.5	1.16	.87	.66	.47
607929CG	UPW1H270MDD	27	50V	5 x 11 x 2	.25	.174	.12	.096
609713CG	UVZ1V330MDD	33	35V	5 x 11 x 2	.20	.15	.104	.072
608243CG	UPW1V330MDD	33	35V	5 x 11 x 2	.24	.166	.112	.088
607072CG	UHE1V330MDD	33	35V	5 x 11 x 2	*	.111	.08	.072
609570CG	UVZ1H330MDD	33	50V	5 x 11 x 2	.23	.158	.112	.072
607945CG	UPW1H330MED	33	50V	6.3 x 11 x 2.5	.25	.19	.136	.104
609684CG	UVZ1J330MED	33	63V	6.3 x 11 x 2.5	.26	.174	.128	.088
608104CG	UPW1J330MED	33	63V	6.3 x 11 x 2.5	.27	.205	.144	.112
606969CG	UHE1J330MED	33	63V	6.3 x 11 x 2.5	*	.142	.104	.089
609781CG	UVZ2A330MPD	33	100V	8 x 11.5 x 3.5	.30	.229	.16	.12
608374CG	UPW2A330MPD6	33	100V	8 x 15 x 3.5	.43	.316	.232	.194
609991CG	UVZ2E330MHD	33	250V	12.5 x 20 x 5	.59	.442	.32	.235
610061CG	UVZ2W330MHD	33	450V	16 x 35.5 x 7.5	1.46	1.11	.85	.64
608286CG	UPW1V390MDD	39	35V	5 x 11 x 2	.25	.174	.12	.096
607144CG	UHE2A390MPD	39	100V	8 x 15 x 3.5	.21	.166	.128	.104
609502CG	UVZ1C470MDD	47	16V	5 x 11 x 2	*	.134	.096	.064
606723CG	UHE1E470MDD	47	25V	5 x 11 x 2	*	.111	.08	.072
158246CG	R47B25	47	25V	5 x 11 x 2	*	.046	.039	.029
609730CG	UVZ1V470MDD	47	35V	5 x 11 x 2	*	.103	.072	.048

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New **Sale** **Lower\$** **QtySale**

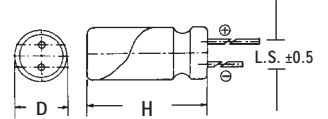
Order 24/7 Toll Free 1-800-831-4242

Aluminum Radial-Lead Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA;
Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



105°C – HT Type General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
607970CG	UPW1H470MED R	47	50V	6.3 x 11 x 2.5	\$.27	\$.205	\$.144	\$.112
607988CG	UPW1H471MHD R	47	50V	6.3 x 11 x 2.5	.80	.59	.448	.348
330819CG	RB47/50	47	50V	6 x 11 x 2.5	*.102	.08	.057	
608139CG	UPW1J470MPD R	47	63V	8 x 11.5 x 3.5	.30	.229	.16	.12
609801CG	UVZ2A470MPD R	47	100V	10 x 12.5 x 5	.35	.261	.184	.136
608391CG	UPW2A470MPD R	47	100V	10 x 16 x 5	.47	.356	.264	.219
607161CG	UHE2A470MPD R	47	100V	10 x 12.5 x 5	.21	.166	.128	.104
609879CG	UVZ2C470MHD R	47	160V	12.5 x 20 x 5	.59	.435	.32	.235
610010CG	UVZ2E470MHD R	47	250V	12.5 x 25 x 5	.86	.65	.488	.348
607822CG	UPW1E560MDD R	56	25V	5 x 11 x 2	.24	.166	.12	.096
608008CG	UPW1H560MED R	56	50V	6.3 x 15 x 2.5	.28	.205	.152	.12
606862CG	UHE1H560MED R	56	50V	6.3 x 11 x 2.5	*.142	.112	.088	
608155CG	UPW1J680MPD R	68	63V	8 x 11.5 x 3.5	.39	.284	.208	.162
607507CG	UPW1A820MDD R	82	10V	5 x 11 x 2	.20	.134	.096	.08
607671CG	UPW1C820MDD R	82	16V	5 x 11 x 2	.23	.15	.112	.088
607005CG	UHE1J820MPD R	82	63V	8 x 15 x 3.5	.27	.221	.168	.136
609300CG	UVZ0J101MDD R	100	6.3V	5 x 11 x 2	*.134	.096	.064	
609414CG	UVZ1A101MDD R	100	10V	5 x 11 x 2	*.119	.088	.056	
330704CG	RB100/16	100	16V	6 x 11 x 2.5	*.056	.047	.035	
606686CG	UHE1E101MED R	100	25V	6.3 x 11 x 2.5	*.142	.112	.088	
330739CG	RB100/25	100	25V	6 x 11 x 2.5	*.067	.057	.048	
607700CG	UPW1E101MED R	100	25V	6.3 x 11 x 2.5	.27	.205	.152	.104
330747CG	RB100/35	100	35V	8 x 11 x 3.5	*.084	.08	.074	
158393CG	R100B50	100	50V	8 x 11 x 3.5	*.09	.07	.055	
607857CG	UPW1H101MPD R	100	50V	8 x 11.5 x 3.5	.39	.284	.208	.162
606774CG	UHE1H101MPD R	100	50V	8 x 11.5 x 3.5	.25	.205	.152	.128
608024CG	UPW1J101MPD R	100	63V	10 x 12.5 x 5	.43	.316	.232	.194
608032CG	UPW1J101MPD6 R	100	63V	8 x 15 x 3.5	.43	.316	.232	.194
330827CG	RB100/63	100	63V	10 x 13 x 5	*.149	.132	.114	
609748CG	UVZ2A101MPD R	100	100V	10 x 20 x 5	.49	.363	.264	.194
609916CG	UVZ2D101MHD R	100	200V	16 x 31.5 x 7.5	1.45	1.10	.83	.59
609967CG	UVZ2E101MHD R	100	250V	16 x 31.5 x 7.5	1.55	1.17	.89	.67
607523CG	UPW1C121MED R	120	16V	6.3 x 11 x 2.5	.25	.174	.12	.096
606619CG	UHE1C121MED R	120	16V	6.3 x 11 x 2.5	*.111	.08	.072	
607726CG	UPW1E121MED R	120	25V	6.3 x 12 x 2.5	.28	.205	.152	.12
606791CG	UHE1H121MPD R	120	50V	8 x 15 x 3.5	.27	.221	.168	.136
606900CG	UHE1J121MPD R	120	63V	8 x 20 x 3.5	.33	.269	.20	.17
607101CG	UHE2A121MPD R	120	100V	10 x 31.5 x 5	.36	.284	.216	.186
608198CG	UPW1V151MPD R	150	35V	8 x 11.5 x 3.5	.30	.229	.16	.12
607048CG	UHE1V151MPD R	150	35V	8 x 11.5 x 3.5	.20	.158	.12	.104
606803CG	UHE1H151MPD R	150	50V	10 x 12.5 x 5	.27	.221	.168	.136
608340CG	UPW2A151MHD R	150	100V	12.5 x 25 x 5	1.07	.81	.61	.47
607540CG	UPW1C181MED R	180	16V	6.3 x 12 x 2.5	.26	.19	.136	.104
207845CG	R180/16	180	16V	6 x 15 x 2.5	*.034	.031	.028	
607881CG	UPW1H181MPD R	180	50V	8 x 20 x 3.5	.47	.356	.264	.219
608075CG	UPW1J181MHD6 R	180	63V	12.5 x 15 x 5	.68	.514	.376	.292
606934CG	UHE1J181MPD R	180	63V	10 x 20 x 5	.44	.356	.272	.227
607128CG	UHE2A181MHD R	180	100V	12.5 x 25 x 5	.44	.356	.272	.227
609334CG	UVZ0J221MDD R	220	6.3V	5 x 11 x 2	.22	.142	.104	.072
607259CG	UPW0J221MED R	220	6.3V	6.3 x 11 x 2.5	.25	.174	.12	.096
607419CG	UPW1A221MED R	220	10V	6.3 x 11 x 2.5	.26	.19	.136	.104
606555CG	UHE1A221MED R	220	10V	6.3 x 11 x 2.5	*.134	.104	.088	
311757CG	R220B10	220	10V	6 x 11 x 2.5	.36	.33	.30	.27
609481CG	UVZ1C221MED R	220	16V	6.3 x 11 x 2.5	.25	.19	.136	.096
158262CG	R220B25	220	25V	8 x 11 x 3.5	*.12	.09	.07	
608201CG	UPW1V221MPD R	220	35V	10 x 12.5 x 5	.44	.324	.232	.194
608219CG	UPW1V221MPD6 R	220	35V	8 x 15 x 3.5	.44	.324	.232	.194
330755CG	RB220/35S	220	35V	8 x 16 x 3.5	*.149	.127	.095	

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
607902CG	UPW1H221MPD R	220	50V	10 x 16 x 5	\$.47	\$.356	\$.264	\$.219
606820CG	UHE1H221MPD R	220	50V	10 x 16 x 5	.33	.269	.20	.17
158406CG	R220B50	220	50V	10 x 12 x 5	.34	.31	.24	.18
609668CG	UVZ1J221MPD R	220	63V	10 x 16 x 5	.55	.403	.296	.219
608091CG	UPW1J221MPD6 R	220	63V	10 x 25 x 5	.83	.62	.456	.389
606942CG	UHE1J221MPD R	220	63V	10 x 25 x 5	.44	.356	.272	.227
609764CG	UVZ2A221MHD R	220	100V	12.5 x 25 x 5	.83	.62	.464	.34
608358CG	UPW2A221MHD R	220	100V	16 x 25 x 7.5	1.17	.88	.66	.56
609836CG	UVZ2C221MHD R	220	160V	16 x 35.5 x 7.5	1.49	1.14	.87	.65
606951CG	UHE1J271MPD R	270	63V	10 x 31.5 x 5	.59	.474	.36	.308
609369CG	UVZ0J331MED R	330	6.3V	6.3 x 11 x 2.5	.26	.174	.128	.088
607275CG	UPW0J331MED R	330	6.3V	6.3 x 11 x 2.5	.30	.205	.144	.112
606483CG	UHE0J331MED R	330	6.3V	6.3 x 11 x 2.5	*.126	.096	.08	
606651CG	UHE1C331MPD R	330	16V	8 x 11.5 x 5	.25	.205	.152	.128
607566CG	UPW1C331MPD R	330	16V	8 x 11.5 x 3.5	.39	.284	.208	.162
330712CG	RB330/16	330	16V	8 x 11 x 3.5	*.102	.08	.057	
609537CG	UVZ1E331MPD R	330	25V	10 x 12.5 x 5	.29	.213	.16	.104
607777CG	UPW1E331MPD6 R	330	25V	8 x 15 x 3.5	.40	.292	.208	.17
606707CG	UHE1E331MPD R	330	25V	8 x 15 x 3.5	.24	.19	.144	.12
609721CG	UVZ1V331MPD R	330	35V	10 x 12.5 x 5	.34	.253	.176	.128
608251CG	UPW1V331MPD R	330	35V	10 x 16 x 5	.54	.403	.296	.243
608260CG	UPW1V331MPD6 R	330	35V	8 x 20 x 3.5	.54	.403	.296	.243
607081CG	UHE1V331MPD R	330	35V	10 x 16 x 5	.38	.308	.232	.194
607953CG	UPW1H331MPD R	330	50V	10 x 20 x 5	.64	.482	.36	.292
606846CG	UHE1H331MPD R	330	50V	10 x 25 x 5	.44	.356	.272	.227
609692CG	UVZ1J331MPD R	330	63V	10 x 20 x 5	.62	.466	.344	.243
608112CG	UPW1J331MHD R	330	63V	12.5 x 20 x 5	.84	.62	.456	.365
607136CG	UHE2A331MHD R	330	100V	12.5 x 40 x 5	1.21	.96	.72	.62
609852CG	UVZ2C331MHD R	330	160V	18 x 40 x 7.5	1.89	1.42	1.08	.81
608294CG	UPW1V391MPD R	390	35V	10 x 16 x 5	.68	.514	.376	.292
608121CG	UPW1J391MHD6 R	390	63V	18 x 15 x 7.5	.97	.73	.544	.437
606977CG	UPW1J391MHD R	390	63V	18 x 15 x 7.5	.69	.56	.424	.365
607152CG	UHE2A391MHD R	390	100V	16 x 31.5 x 7.5	1.23	.97	.73	.63
609385CG	UVZ0J471MED R	470	6.3V	6.3 x 11 x 2.5	.25	.19	.136	.096
607460CG	UPW1A471MPD R	470	10V	8 x 11.5 x 3.5	.38	.277	.20	.144
606571CG	UHE1A471MPD R	470	10V	8 x 11.5 x 3.5	.24	.198	.152	.128
607603CG	UPW1C471MPD R	470	16V	10 x 12.5 x 5	.41	.30	.216	.17
607611CG	UPW1C471MPD6 R	470	16V	8 x 15 x 3.5	.41	.30	.216	.17
158203CG	R470B16	470	16V	8 x 11 x 3.5	*.12	.10	.09	
606678CG	UHE1C471MPD R	470	16V	8 x 15 x 3.5	.26	.205	.16	.136
158289CG	R470B25	470	25V	10 x 15 x 3.5	*.15	.12	.10	
606731CG	UHE1E471MPD R	470	25V	8 x 20 x 3.5	.38	.308	.232	.194
606740CG	UHE1E471MPD6 R	470	25V	10 x 16 x 5	.38	.308	.232	.194
607793CG	UPW1E471MPD R	470	25V	10 x 16 x 5	.53	.403	.296	.235
607806CG	UPW1E471MPD6 R	470	25V	8 x 20 x 3.5	.53	.403	.296	.235
608307CG	UPW1V471MHD R	470	35V	10 x 20 x 5	.69	.514	.384	.332
330763CG	RB470/35	470	35V	10 x 15 x 5	.28	.244	.195	.146
609609CG	UVZ1H471MHD R	470	50V	12.5 x 20 x 5	.82	.62	.464	.324
607988CG	UPW1H471MHD R	470	50V	12.5 x 20 x 5	.80	.59	.448	.348
606854CG	UHE1H471MPD R	470	50V	10 x 31.5 x 5	.59	.474	.36	.30
608147CG	UPW1J471MHD6 R	470	63V	12.5 x 31.5 x 5	.97	.73	.55	.437
606985CG	UHE1J471MHD R	470	63V	12.5 x 31.5 x 5	.72	.58	.44	.373
608016CG	UPW1H561MHD R	560	50V	12.5 x 25 x 5	.97	.73	.55	.437
606504CG	UHE0J681MPD R	680	6.3V	8 x 11.5 x 3.5	.24	.198	.152	.128
606598CG	UHE1A681MPD R	680	10V	8 x 15 x 3.5	.25	.205	.152	.128
607654CG	UPW1C681MPD R	680	16V	10 x 16 x 5	.51	.387	.288	.235
607662CG	UPW1C681MPD6 R	680	16V	8 x 20 x 3.5	.51	.387	.288	.235
606766CG	UHE1E681MPD R	680	25V	10 x 20 x 5	.44	.356	.272	.227

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

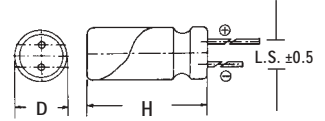











































Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



105°C – HT Type General Purpose (Continued)

* Prepackaged: order in increments of 10, 100 or 500



Part No.	Cross Ref. No. †	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
608315CG	UPW1V681MHD 	680	35V	12.5 x 20 x 5	\$.84	\$.60	\$.456	\$.373
607099CG	UHE1V681MPD 	680	35V	10 x 31.5 x 5	.57	.458	.352	.292
606871CG	UHE1H681MHD 	680	50V	12.5 x 31.5 x 5	.72	.58	.44	.373
608163CG	UPW1J681MHD 	680	63V	16 x 25 x 5	1.17	.88	.66	.56
606993CG	UHE1J681MHD 	680	63V	12.5 x 40 x 5	.88	.68	.518	.454
607179CG	UHE2A681MHD 	680	100V	18 x 35.5 x 7.5	1.39	1.09	.83	.71
607355CG	UPWQJ821MPD 	820	6.3V	8 x 15 x 3.5	.39	.284	.208	.162
607689CG	UPW1C821MPD 	820	16V	10 x 20 x 5	.60	.45	.336	.292
607013CG	UHE1J821MHD 	820	63V	16 x 31.5 x 7.5	1.23	.97	.73	.63
606432CG	UHEQJ102MPD 	1000	6.3V	8 x 15 x 3.5	*	.142	.112	.096
607187CG	UPWQJ102MPD 	1000	6.3V	10 x 12.5 x 5	.43	.316	.232	.194
609422CG	UVZ1A102MPD 	1000	10V	10 x 12.5 x 5	.42	.316	.24	.17
607363CG	UPW1A102MPD 	1000	10V	8 x 20 x 3.5	.48	.356	.256	.194
606512CG	UHE1A102MPD 	1000	10V	8 x 20 x 3.5	.34	.269	.208	.17
606521CG	UHE1A102MPD 	1000	10V	10 x 16 x 5	.34	.269	.208	.17
609465CG	UVZ1C102MPD 	1000	16V	10 x 16 x 5	.50	.316	.28	.203
607515CG	UPW1C102MPD 	1000	16V	10 x 20 x 5	.60	.45	.336	.292
606601CG	UHE1C102MPD 	1000	16V	10 x 20 x 5	.43	.348	.264	.219
330721CG	RB1000/16 	1000	16V	10 x 20 x 5	.23	.216	.19	.171
158297CG	R1000B25 	1000	25V	10 x 20 x 5	.35	.29	.25	.19
607718CG	UPW1E102MHD 	1000	25V	12.5 x 20 x 5	.81	.60	.44	.348
608171CG	UPW1V102MHD 	1000	35V	12.5 x 25 x 5	.94	.70	.528	.454
607021CG	UHE1V102MHD 	1000	35V	12.5 x 25 x 5	.69	.56	.424	.365
158377CG	R1000B35 	1000	35V	10 x 20 x 5	.49	.45	.40	.35
609553CG	UVZ1H102MHD 	1000	50V	12.5 x 25 x 5	.79	.58	.432	.316
607865CG	UPW1H102MHD 	1000	50V	16 x 25 x 7.5	1.17	.88	.66	.56
606782CG	UHE1H102MHD 	1000	50V	12.5 x 40 x 5	.87	.68	.518	.454
608041CG	UPW1J102MHD 	1000	63V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606889CG	UHE1J102MHD 	1000	63V	12.5 x 40 x 5	1.23	.97	.73	.63
606897CG	UHE1J102MHD 	1000	63V	18 x 31.5 x 7.5	1.23	.97	.73	.63
609756CG	UVZ2A102MHD 	1000	100V	18 x 40 x 7.5	1.89	1.44	1.10	.82
606459CG	UHEQJ122MPD 	1200	6.3V	8 x 20 x 3.5	.30	.245	.184	.152
607216CG	UPWQJ122MPD 	1200	6.3V	8 x 20 x 3.5	.44	.324	.232	.178
607224CG	UPWQJ122MPD 	1200	6.3V	10 x 16 x 5	.47	.356	.264	.211
607380CG	UPW1A122MPD 	1200	10V	10 x 20 x 5	.53	.403	.296	.235
606547CG	UHE1A122MPD 	1200	10V	10 x 20 x 5	.38	.308	.232	.194
606627CG	UHE1C122MPD 	1200	16V	10 x 25 x 5	.39	.316	.24	.203
606694CG	UHE1E122MHD 	1200	25V	18 x 15 x 7.5	.64	.521	.392	.332
608180CG	UPW1V122MHD 	1200	35V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607030CG	UHE1V122MHD 	1200	35V	12.5 x 31.5 x 5	.88	.68	.518	.454
606918CG	UHE1J122MHD 	1200	63V	16 x 40 x 7.5	1.39	1.09	.83	.71
607232CG	UPWQJ152MPD	1500	6.3V	10 x 20 x 5	.47	.356	.264	.219
607398CG	UPW1A152MPD	1500	10V	10 x 25 x 5	.55	.419	.304	.235
607531CG	UPW1C152MHD	1500	16V	12.5 x 20 x 5	.84	.62	.456	.365
606635CG	UHE1C152MPD	1500	16V	10 x 31.5 x 5	.57	.458	.352	.30
607734CG	UPW1E152MHD	1500	25V	16 x 25 x 7.5	.94	.70	.528	.429
607742CG	UPW1E152MHD	1500	25V	12.5 x 25 x 5	.94	.70	.528	.429
607873CG	UPW1H152MHD	1500	50V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606467CG	UHEQJ182MHD	1800	6.3V	12.5 x 15 x 5	.35	.284	.216	.186
607751CG	UPW1E182MHD	1800	25V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607056CG	UHE1V182MHD	1800	35V	12.5 x 40 x 5	.92	.71	.54	.47
607267CG	UPWQJ222MPD	2200	6.3V	10 x 25 x 5	.62	.466	.344	.292
609342CG	UVZQJ222MPD	2200	6.3V	10 x 20 x 5	.51	.356	.248	.203
606475CG	UHEQJ222MPD	2200	6.3V	10 x 25 x 5	.43	.348	.264	.219
607427CG	UPW1A222MHD	2200	10V	12.5 x 20 x 5	.79	.59	.44	.348
606563CG	UHE1A222MPD	2200	10V	10 x 31.5 x 5	.55	.442	.28	.20
609490CG	UVZ1C222MHD	2200	16V	12.5 x 20 x 5	.80	.59	.448	.324
606643CG	UHE1C222MHD	2200	16V	12.5 x 25 x 5	.69	.56	.424	.365

 Blue Part No. = Limited Quantity Available

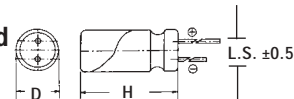
 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	Qty\$ave



Aluminum Radial-Lead Electrolytic Capacitors (±20%) Continued

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

85°C – General Purpose

Quantity SAVE

Other Manufacturers — Great Deals*

* Prepackaged: order in increments of 10, 100 or 500								
Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
29831CG	R1/50	1	50V	5 x 11 x 2.0	*	\$.057	\$.048	\$.038
93729CG	R2.2/50	2.2	50V	5 x 11 x 2.0	*	\$.034	\$.03	.023
135183CG	R3.3/50	3.3	50V	5 x 11 x 2.0	*	\$.032	\$.028	.022
31000CG	R4.7/50	4.7	50V	5 x 11 x 2.0	*	\$.038	\$.033	.026
29891CG	R10/50	10	50V	5 x 11 x 2.0	*	\$.06	\$.05	.04
93737CG	R22/50	22	50V	5 x 11 x 2.0	*	\$.032	\$.027	.02
93745CG	R33/50	33	50V	5 x 11 x 2.0	*	\$.05	\$.045	.04
135301CG	R47/10	47	10V	5 x 12 x 2.0	*	\$.036	\$.027	.02
93753CG	R47/25	47	25V	5 x 11 x 2.0	*	\$.048	\$.033	.026
31114CG	R47/50	47	50V	6 x 11 x 2.5	*	\$.06	\$.05	.045
207811CG	R100/10	100	10V	5 x 11 x 2.0	*	\$.06	\$.051	.038
93761CG	R100/25	100	25V	6 x 11 x 2.5	*	\$.07	\$.05	.035
29962CG	R100/50	100	50V	8 x 11 x 3.5	*	\$.07	\$.06	.05
30496CG	R220/25	220	25V	8 x 11 x 3.5	*	\$.08	\$.06	.05
93770CG	R220/35	220	35V	10 x 12 x 5.0	*	\$.09	\$.08	.057

* Capacitor dimensions and styles may vary.

* Prepackaged: order in increments of 10, 100 or 500								
Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
93778CG	R220/50	220	50V	10 x 12 x 5.0	*	\$.15	\$.12	\$.09
19889CG	R330J/16	330	16V	8 x 11 x 3.5	*	.073	.065	.049
93796CG	R330/25	330	25V	10 x 12 x 5.0	*	.126	.107	.08
93809CG	R470/16	470	16V	8 x 11 x 3.5	*	.099	.095	.071
31181CG	R470/25	470	25V	10 x 12 x 5.0	*	.12	.10	.09
395591CG	R470825-OM	470	25V	10 x 12 x 5.0	*	.12	.11	.09
93817CG	R470/35	470	35V	10 x 16 x 5.0	*	.153	.135	.117
93825CG	R470/50	470	50V	12 x 20 x 5.0	.29	.27	.19	.13
30015CG	R1000/16	1000	16V	10 x 16 x 5.0	*	.178	.156	.133
93833CG	R1000/25	1000	25V	10 x 20 x 5.0	.41	.32	.29	.16
93841CG	R1000/50	1000	50V	12 x 25 x 5.0	.52	.46	.41	.307
133145CG	R2200/16	2200	16V	12 x 20 x 5.0	.32	.28	.24	.22
30533CG	R2200/25	2200	25V	12 x 25 x 5.0	.55	.49	.40	.30
30891CG	R3300/25	3300	25V	16 x 25 x 7.5	.71	.65	.49	.43
93850CG	R4700/25	4700	25V	16 x 31 x 7.5	.99	.89	.80	.66
163301CG	R4700/50	4700	50V	22 x 42 x 10.0	1.99	1.79	1.50	1.31
31510CG	R6800/16	6800	16V	16 x 35 x 7.5	1.09	.98	.85	.70

* Capacitor dimensions and styles may vary.

JAMECO ValuePro

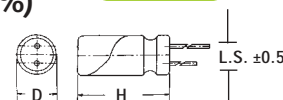
Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

Quantity SAVE

85°C – General Purpose



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330931CG	RN0.47/50	0.47	50V	5 x 11 x 2.0	\$.23	\$.207	\$.165	\$.123
330941CG	RN1/50	1	50V	5 x 11 x 2.0	*	.159	.85	.75
331053CG	RN1/100	1	100V	5 x 11 x 2.0	*	.169	.086	.076
330958CG	RN2.2/50	2.2	50V	5 x 11 x 2.0	*	.159	.085	.064
331029CG	RN2.2/63	2.2	63V	5 x 11 x 2.0	.27	.243	.194	.145
331061CG	RN2.2/100	2.2	100V	5 x 11 x 2.0	*	.169	.071	.053
330966CG	RN3.3/50	3.3	50V	5 x 11 x 2.0	*	.171	.094	.071
331070CG	RN3.3/100	3.3	100V	5 x 11 x 2.0	*	.189	.095	.071
330907CG	RN4.7/25	4.7	25V	5 x 11 x 2.0	.28	.243	.194	.145
330974CG	RN4.7/50	4.7	50V	5 x 11 x 2.0	*	.171	.094	.071
331088CG	RN4.7/100	4.7	100V	6 x 11 x 2.5	*.188	.095	.071	
330915CG	RN10/25	10	25V	5 x 11 x 2.0	.28	.243	.194	.146

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330982CG	RN10/50	10	50V	8 x 11 x 3.5	\$.22	\$.198	\$.114	\$.105
331096CG	RN10/100	10	100V	8 x 11 x 3.5	.22	.198	.114	.085
330878CG	RN22/16	22	16V	5 x 11 x 2.0	\$.26	.234	.187	.14
330923CG	RN22/25	22	25V	5 x 11 x 2.0	.32	.288	.23	.173
330991CG	RN22/50	22	50V	6 x 11 x 2.5	.33	.31	.144	.108
331037CG	RN22/63	22	63V	8 x 11 x 3.5	.45	.405	.324	.243
331109CG	RN22/100	22	100V	10 x 15 x 5.0	.33	.297	.171	.128
330886CG	RN47/16	47	16V	6 x 11 x 2.5	.33	.297	.238	.178
331002CG	RN47/50	47	50V	8 x 11 x 3.5	.46	.414	.314	.285
331117CG	RN47/100	47	100V	10 x 20 x 5.0	.46	.414	.314	.235
330894CG	RN100/16	100	16V	8 x 11 x 3.5	.45	.405	.365	.328
331012CG	RN100/50	100	50V	10 x 17 x 5.0	*	.69	.499	.359
331045CG	RN220/63	220	63V	5 x 11 x 2.0	.69	.62	.465	.348

85°C – Non-Polarized High-Frequency (Horizontal Deflection)

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
331125CG	RN1/25S	1	25V	8 x 11 x 3.5	\$.37	\$.348	\$.186	\$.14
331205CG	RN1/50S	1	50V	8 x 11 x 3.5	.37	.348	.186	.14
331133CG	RN2.2/25S	2.2	25V	8 x 11 x 3.5	.37	.348	.186	.14
331213CG	RN2.2/50S	2.2	50V	8 x 11 x 3.5	.37	.348	.186	.14
331141CG	RN3.3/25S	3.3	25V	8 x 11 x 3.5	.37	.348	.186	.14
331221CG	RN3.3/50S	3.3	50V	8 x 11 x 3.5	.37	.348	.186	.14
331150CG	RN4.7/25S	4.7	25V	8 x 11 x 3.5	.37	.348	.186	.14
331230CG	RN4.7/50S	4.7	50V	8 x 11 x 3.5	.37	.348	.186	.14

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
331168CG	RN5.6/25S	5.6	25V	8 x 11 x 3.5	\$.37	\$.348	\$.186	\$.14
331248CG	RN5.6/50S	5.6	50V	8 x 14 x 3.5	.45	.423	.226	.17
331176CG	RN6.8/25S	6.8	25V	8 x 11 x 3.5	.37	.348	.186	.14
331256CG	RN6.8/50S	6.8	50V	8 x 14 x 3.5	.45	.423	.226	.17
331184CG	RN8.2/25S	8.2	25V	8 x 14 x 3.5	.45	.423	.226	.17
331264CG	RN8.2/50S	8.2	50V	10 x 15 x 5.0	.58	.548	.293	.22
331192CG	RN10/25S	10	25V	8 x 14 x 3.5	.45	.423	.226	.17
331272CG	RN10/50S	10	50V	10 x 15 x 5.0	.58	.548	.293	.22

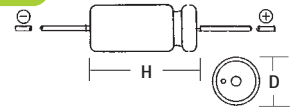
Committed to You

We're committed to providing you with
the best service in the industry.

Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum

Quantity SAVE



Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

† CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

* Prepackaged: order in increments of 10, 100 or 500

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
10867CG	A1/50	1	50V	5 x 13	*	\$.15	\$.104	\$.078
93570CG	A2.2/50	2.2	50V	6 x 13	*	.11	.10	.075
199419CG	A3.3/50	3.3	50V	6 x 12	*	.17	.12	.089
11078CG	A4.7/50	4.7	50V	6 x 12	*	.11	.097	.073
331301CG	AB4.7/63	4.7	63V	6 x 12	.23	.197	.143	.105
199427CG	A6.8/50	6.8	50V	6 x 12	*	.17	.12	.089
199144CG	A10J/16	10	16V	6 x 12	.20	.166	.12	.077
199259CG	A10J/25	10	25V	5 x 12	*	.174	.15	.139
93578CG	A10/35	10	35V	6 x 13	*	.133	.107	.08
10883CG	A10/50	10	50V	6 x 12	*	.167	.142	.106
331310CG	AB10/63	10	63V	6 x 12	*	.15	.128	.096
331424CG	AB10/450	10	450V	13 x 25	\$1.25	1.08	.99	.67
199152CG	A22J/16	22	16V	6 x 12	*	.174	.126	.08
199267CG	A22J/25	22	25V	6 x 12	*	.197	.141	.105
10999CG	A22/50	22	50V	6 x 12	*	.19	.14	.10
331328CG	AB22/63	22	63V	8 x 12	.22	.198	.158	.119
331387CG	AB22/160	22	160V	10 x 17	\$6.60	.67	.60	.48
331432CG	AB22/450	22	450V	16 x 26	1.99	1.66	1.51	1.37
199161CG	A33J/16	33	16V	6 x 13	*	.12	.102	.076
199347CG	A33J/35	33	35V	6.3 x 16	*	.087	.078	.07
199435CG	A33J/50	33	50V	6.3 x 16	*	.17	.136	.102
199179CG	A47J/16	47	16V	6.3 x 12	*	.134	.114	.085
135320CG	A47/25	47	25V	8 x 16	*	.15	.14	.096
199355CG	A47J/35	47	35V	6.3 x 16	*	.16	.119	.089
11107CG	A47/50	47	50V	8 x 16	*	.19	.14	.10
331336CG	AB47/63	47	63V	8 x 16	*	.171	.145	.108
331361CG	AB47/100	47	100V	10 x 17	.34	.273	.218	.163
331395CG	AB47/160	47	160V	13 x 21	.75	.57	.368	.331
331441CG	AB47/450	47	450V	16 x 30	3.25	2.74	2.49	2.26
199187CG	A100J/16	100	16V	6.3 x 16	.24	.22	.19	.16
199284CG	A100J/25	100	25V	8 x 16	.25	.20	.18	.15
10912CG	A100/50	100	50V	8 x 20	.23	.205	.176	.132
331344CG	AB100/63	100	63V	10 x 17	.37	.291	.233	.175
331379CG	AB100/100	100	100V	10 x 20	.85	.73	.57	.47

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331408CG	AB100/160	100	160V	16 x 26	\$1.79	\$1.53	\$1.22	\$.91
331416CG	AB100/250	100	250V	16 x 30	2.45	2.09	1.93	1.80
331299CG	AB150/50	150	50V	10 x 17	.96	.86	.69	.518
199195CG	A220J/16	220	16V	8 x 16	*	.18	.152	.114
199291CG	A220J/25	220	25V	8 x 16	.25	.21	.18	.12
199363CG	A220J/35	220	35V	10 x 17	*	.23	.195	.146
11018CG	A220/50	220	50V	10 x 17	.27	.229	.224	.192
331352CG	AB220/63	220	63V	10 x 20	.55	.461	.369	.277
199208CG	A330J/16	330	16V	8 x 16	*	.198	.168	.126
199371CG	A330J/35	330	35V	10 x 17	.44	.367	.333	.25
199451CG	A330J/50	330	50V	13 x 22	.42	.379	.303	.227
199216CG	A470J/16	470	16V	8 x 16	.34	.273	.245	.184
199312CG	A470J/25	470	25V	10 x 17	\$4.44	.40	.36	.288
199381CG	A470J/35	470	35V	10 x 21	.50	.404	.371	.278
11122CG	A470/50	470	50V	13 x 21	.49	.441	.34	.255
199460CG	A680J/50	680	50V	16 x 25	.85	.73	.57	.428
331281CG	AB1000/10	1000	10V	10 x 17	.51	.414	.331	.248
93632CG	A1000/16	1000	16V	10 x 20	.51	.46	.42	.315
10956CG	A1000/25	1000	25V	10 x 20	.66	.54	.49	.38
93650CG	A1000/35	1000	35V	13 x 25	.94	.83	.66	.545
147257CG	A1000/50	1000	50V	16 x 25	.88	.77	.66	.545
11034CG	A2200/16	2200	16V	13 x 21	.51	.446	.354	.33
199321CG	A2200J/25	2200	25V	16 x 28	1.09	.90	.78	.59
93657CG	A2200/35	2200	35V	16 x 30	1.25	1.10	.99	.85
199478CG	A2200J/50	2200	50V	18 x 42	\$2.29	2.15	1.93	1.54
93666CG	A3300/25	3300	25V	16 x 32	1.10	.99	.88	.66
199398CG	A3300J/35	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199487CG	A3300J/50	3300	50V	22 x 43	2.19	1.96	1.77	1.59
199232CG	A4700J/16	4700	16V	16 x 30	1.45	1.30	1.04	.78
93674CG	A4700/25	4700	25V	16 x 30	1.69	1.49	1.29	.99
199401CG	A4700J/35	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158810CG	A4700A50	4700	50V	25 x 43	2.79	2.29	2.09	1.79
199241CG	A6800J/16	6800	16V	16 x 33	1.24	1.11	1.00	.90
199339CG	A6800J/25	6800	25V	18 x 40	2.35	2.12	1.69	1.27
93682CG	A10000/16	10000	16V	16 x 33	2.49	2.28	1.83	1.32

Other Manufacturers — Great Deals*

10866CG	A1/50	1	50V	5 x 13	*	\$.111	\$.094	\$.07
93569CG	A2.2/50	2.2	50V	6 x 13	*	.14	.115	.086
11076CG	A4.7/50	4.7	50V	6 x 13	*	.162	.117	.099
93577CG	A10/35	10	35V	6 x 13	*	.155	.132	.099
10882CG	A10/50	10	50V	6 x 12	*	.15	.12	.08
10997CG	A22/50	22	50V	6 x 12	*	.17	.126	.09
135319CG	A47/25	47	25V	8 x 16	*	.135	.115	.086
11105CG	A47/50	47	50V	8 x 16	*	.15	.136	.102
93551CG	A100/35	100	35V	8 x 16	.27	.22	.19	.15
10911CG	A100/50	100	50V	8 x 20	.23	.205	.176	.138

11017CG	A220/50	220	50V	10 x 20	\$.33	\$.277	\$.252	\$.189
11121CG	A470/50	470	50V	13 x 31	.99	.89	.71	.532
93631CG	A1000/16	1000	16V	13 x 27	.46	.41	.38	.36
10954CG	A1000/25	1000	25V	13 x 31	.59	.49	.33	.295
93649CG	A1000/35	1000	35V	13 x 26	.85	.75	.59	.49
147256CG	A1000/50	1000	50V	16 x 31	.79	.71	.57	.43
11033CG	A2200/16	2200	16V	16 x 40	.79	.71	.65	.59
93665CG	A3300/25	3300	25V	16 x 32	1.19	1.07	.95	.83
93673CG	A4700/25	4700	25V	22 x 39	1.55	1.34	1.16	.89
93681CG	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.39

* Capacitor dimensions and styles may vary  Blue Part No. = Limited Quantity Available



Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

85°C – General purpose



Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331521CG	AN1/50	1	50V	6 x 16	\$.35	\$.342	\$.266	\$.209
331635CG	AN1/100	1	100V	6 x 16	\$4.44	.37	.32	.264
331540CG	AN2.2/50	2.2	50V	6 x 16	.40	.38	.295	.228
331547CG	AN3.3/50	3.3	50V	6 x 16	\$4.42	.35	.315	.248
331555CG	AN4.7/50	4.7	50V	6 x 16	.45	.405	.324	.243
331643CG	AN4.7/100	4.7	100V	6 x 16	\$6.69	.58	.50	.42
331483CG	AN10/25	10	25V	6 x 16	.39	.35	.28	.21
331563CG	AN10/50	10	50V	6 x 16	.57	.513	.41	.307
331651CG	AN10/100	10	100V	8 x 16	\$7.73	.62	.535	.45
331459CG	AN22/16	22	16V	6 x 16	.39	.351	.281	.211
331491CG	AN22/25	22	25V	6 x 16	.43	.387	.31	.232
331571CG	AN22/50	22	50V	6 x 16	\$7.75	.63	.547	.448
331627CG	AN22/63	22	63V	8 x 16	\$7.75	.63	.55	.46

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) DxH	Pricing			
					1	10	100	500
331660CG	AN22/100	22	100V	10 x 18	\$.86	\$.77	\$.62	\$.465
331580CG	AN33/50	33	50V	8 x 16	.69	.62	.50	.375
331678CG	AN33/100	33	100V	10 x 20	.87	.78	.62	.465
331504CG	AN47/25	47	25V	6 x 16	.51	.459	.367	.275
331598CG	AN47/50	47	50V	8 x 16	.85	.77	.62	.47
331686CG	AN47/100	47	100V	10 x 21	1.39	1.25	1.00	.75
331467CG	AN100/16	100	16V	8 x 16	.53	.477	.382	.287
331512CG	AN100/25	100	25V	8 x 20	.57	.513	.41	.307
331601CG	AN100/50	100	50V	10 x 18	.91	.87	.66	.495
331694CG	AN100/100	100	100V	13 x 25	2.35	2.12	1.91	1.72
331475CG	AN220/16	220	16V	8 x 20	.75	.68	.54	.41
331619CG	AN220/50	220	50V	13 x 25	\$4.39	1.15	1.00	.84

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Electrolytic, Mylar & Memory Back-Up Capacitors

Color Code Legend			
New	Sale	Lower\$	QtySave

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C • Can-Top safety vent

† CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF;

Nichicon: LLL/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN)

115422CG

Snap-Ins!

A Jameco EXCLUSIVE



Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing		
					1	10	100
331838CG	SNA68/450	68	450V	22 x 30	\$2.55	\$2.12	\$1.59
331926CG	SNB100/200	100	200V	30 x 40	1.95	1.50	.81
331846CG	SNA120/450	120	450V	22 x 40	3.09	2.33	1.45
331766CG	SNA220/200	220	200V	22 x 27	1.89	1.42	.89
331934CG	SNB220/200	220	200V	22 x 27	2.19	1.81	1.36
331791CG	SNA220/250	220	250V	22 x 36	2.35	1.65	1.02
332013CG	SNB220/250	220	250V	22 x 36	1.99	1.89	1.25
203238CG	SN270/350	270	350V	25 x 40	2.95	2.51	1.88
331774CG	SNA330/200	330	200V	25 x 35	2.55	1.49	1.29
331942CG	SNB330/200	330	200V	25 x 30	1.75	1.66	1.37
331803CG	SNA330/250	330	250V	22 x 36	1.95	1.74	1.41
332021CG	SNB330/250	330	250V	22 x 36	2.19	1.86	1.39
203246CG	SN330/400	330	400V	30 x 46	4.25	3.61	2.70
331862CG	SNA330/450	330	450V	35 x 48	5.99	4.52	2.80
331951CG	SNB470/200	470	200V	22 x 41	1.99	1.69	1.26
331811CG	SNA470/250	470	250V	25 x 40	3.05	2.30	1.43
332030CG	SNB470/250	470	250V	25 x 40	2.35	1.96	1.47
203263CG	SN470/400/5	470	450V	35 x 51	8.25	7.01	5.25
155890CG	SN560/200	560	200V	23 x 41	2.89	2.45	1.83
331782CG	SNA560/200	560	200V	25 x 36	2.99	2.12	1.22
331969CG	SNB560/200	560	200V	25 x 36	3.35	2.39	1.36
332048CG	SNA560/250	560	250V	30 x 40	2.95	2.80	2.10

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing		
					1	10	100
203271CG	SN680/200/2	680	200V	35 x 25	\$1.29	\$1.10	\$.82
331977CG	SNB680/200	680	200V	25 x 40	3.05	2.59	2.28
331820CG	SNA680/250	680	250V	25 x 48	3.79	2.86	1.77
332056CG	SNB680/250	680	250V	25 x 48	3.89	3.53	2.28
331985CG	SNB820/200	820	200V	25 x 48	3.15	2.68	2.01
332064CG	SNB820/250	820	250V	30 x 48	4.35	3.70	2.77
331993CG	SNB1000/200	1,000	200V	30 x 40	4.29	3.23	2.00
331871CG	SNB2200/50	2,200	50V	22 x 26	3.19	2.26	1.30
331890CG	SNB3300/50	3,300	50V	25 x 23	2.59	2.29	2.09
331740CG	SNA3300/80	3,300	80V	22 x 48	2.35	2.23	1.67
331897CG	SNB4700/50	4,700	50V	25 x 30	2.19	1.99	1.79
115422CG	SN4700/50	4,700	50V	30 x 41	2.19	1.99	1.49
331723CG	SNA4700/63	4,700	63V	25 x 40	3.29	2.86	2.54
331900CG	SNB6800/50	6,800	50V	25 x 40	2.69	2.40	1.82
115432CG	SN6800/50	6,800	50V	30 x 51	1.95	1.72	1.55
331758CG	SNA8200/80	8,200	80V	35 x 53	6.89	5.15	4.00
331707CG	SNA10000/16	10,000	16V	22 x 30	3.29	1.90	1.34
331901CG	SNB10000/50	10,000	50V	25 x 41	2.69	2.40	1.68
157737CG	SN10000/50	10,000	50V	35 x 40	4.95	4.10	3.99
331732CG	SNA10000/63	10,000	63V	35 x 40	5.49	4.45	3.94
331715CG	SNA15000/25	15,000	25V	25 x 40	2.65	2.35	1.78

Other Manufacturers — Great Deals*

203211CG	SN220/400/2	220	400V	22 x 51	\$3.85	\$3.25	\$2.35
115377CG	SN470/200	470	200V	30 x 41	2.49	2.12	1.59
203254CG	SN470/400/4	470	400V	35 x 41	6.35	5.40	4.05

*Capacitor dimensions may vary • Blue Part No. = Limited Quantity Available

Mylar Capacitors (±10%)

Metallized Polyester Film Capacitors

- High performance at low cost • Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: ≤0.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5 sec

† Cross References: Panasonic: ECQ-E Series; Sprague: DF/450P/451P/453P;

Westlake: 160/168/ 185/167/184/186; Rubycon: MC/MN; Mepco: 713A1/719A1/

C280; TRW: X601PE/ X601CPE; Packtron: MF/RB; Secor: MMKS/MMKR/MMDR;

RIFA: PHE353/ PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF

Thompson: MD/ MC; Siemens: B325X-XX; NIC:

NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

* Prepackaged: order in increments of 10, 100 or 1000

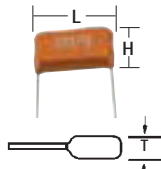
Part No.	Cross Ref. No.†	Value (µF)	Volt. (V)	Size (mm)* L x T x H	Pricing			
					1	10	100	1000
26833CG	MY.001	.001	100	7.0 x 3.0 x 7.0	✱	\$.092	\$.062	\$.048
26868CG	MY.0022	.0022	100	6.0 x 3.0 x 10.0	✱	✱	.09	.056
26876CG	MY.0047	.0047	100	6.0 x 3.0 x 9.0	✱	.14	.119	.089
207829CG	MY.0068/220	.0068	220	18.0 x 5.5 x 10.0	✱	.066	.059	.053
26884CG	MY.01	.01	100	6.0 x 3.0 x 7.0	✱	.13	.096	.091
207837CG	MY.018/50	.018	50	6.1 x 2.6 x 11.3	✱	.04	.036	.032
26905CG	MY.022	.022	100	6.0 x 3.0 x 10.0	✱	.13	.095	.071
26921CG	MY.033	.033	100	8.0 x 4.0 x 11.0	✱	.11	.088	.084
207861CG	MY.033/400	.033	400	11.0 x 4.0 x 8.0	✱	.36	.245	.144
26930CG	MY.047	.047	100	8.0 x 4.0 x 12.0	✱	.12	.102	.076
135562CG	MY.1/50	.1	50	14.0 x 6.0 x 12.0	✱	.14	.12	.094
26956CG	MY.1	.1	100	12.5 x 5.0 x 9.5	✱	.27	.233	.185
93921CG	MY.1/250	.1	250	12.5 x 5.5 x 10	✱	.17	.14	.122
26972CG	MY.22	.22	100	12.5 x 5.5 x 10	✱	.19	.12	.085
93964CG	MY.33/250	.33	250	18.0 x 7.0 x 12.5	✱	.27	.24	.22
26999CG	MY.47	.47	100	18.0 x 6.0 x 11.5	✱	.23	.207	.166
27001CG	MY1	1.0	100	18.0 x 7.5 x 14.0	✱	.56	.447	.333
93981CG	MY1/250	1.0	250	26.0 x 9.0 x 16.0	✱	.62	.45	.38
93999CG	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	✱	.92	.75	.62

†† ±20% tolerance • *Capacitor dimensions and styles may vary

✱ RoHS compliant product

✱ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



JAMECO ValuePro

Memory Back-Up Capacitors

Applications: • Memory back-up of remote controllers

- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)

Features: • Small size vs. capacitance • Volt.: 5.5VDC

• Excellent volt. holding characteristics for low back-up currents

Part No.	Cross Ref. No.	Value (Farad)	Size (mm) L x T x Dia.	1	10	100
142922CG	MBC.047/5.5	.047	10.6 x 6.6 x 12.0	\$1.48	\$1.26	\$.99
142949CG	MBC.22/5.5	.22	11.8 x 6.4 x 12.8	2.09	1.79	1.41
143010CG	MBC.47/5.5	.47	13.3 x 9.2 x 21.1	3.25	2.76	2.11

Other Manufacturers — Great Deals*

142957CG	MBC1.0/5.5	1.0	—	\$4.29	\$3.85	\$3.49
227811CG	S5R5V105	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.86

*Capacitor dimensions and styles may vary

NEC TOKIN Memory Back-Up Capacitors

NEW

FC Series

Part No.	Product No.	Value (F)	Voltage (DC)	Size (in.) Dia. x H	Pricing		
					1	10	100
1536851CG	FC104ZF	0.1	5.5V	0.41 x 0.22	\$2.19	\$1.81	\$1.44

FG Series

675753CG	FG0H225ZF	2.2	5.5V	0.85 x 0.75	\$3.95	\$3.16	\$2.54
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FS/FT Series

675657CG	FS0H104ZF	0.1	5.5V	0.65 x 0.34	\$2.19	\$1.81	\$1.47
675665CG	FS0H105ZF	1.0	5.5V	1.12 x 0.55	3.95	3.16	2.94
675673CG	FS0H224ZF	0.22	5.5V	0.65 x 0.51	2.25	1.81	1.75
675681CG	FS0H473ZF	0.047	5.5V	0.51 x 0.34	1.65	1.46	1.28
675690CG	FS0H474ZF	0.47	5.5V	0.85 x 0.51	3.85	3.16	2.48
675702CG	FT0H104ZF	0.1	5.5V	0.45 x 0.34	2.19	1.81	1.47

FY Series

675711CG	FYD0H104ZF	0.1	5.5V	0.51 x 0.34	\$2.19	\$1.81	\$1.47
675729CG	FYD0H105ZF	1.0	5.5V	0.85 x 0.63	3.95	3.16	2.48
675737CG	FYH0H105ZF	1.0	5.5V	1.12 x 0.43	3.95	3.16	2.66
675745CG	FYH0H474ZF	0.47	5.5V	0.85 x 0.39	3.85	3.16	2.48



FC Series



FG Series



FS, FS/FT, FY Series (Sizes vary)

Dipped Tantalum Capacitors (±10%)

Resin Dipped Solid Tantalum Capacitors

- Operating temp. range: -55°C to +85°C (+125°C with derating)
 - Rated voltage DC: ≤ +85°C
 - Low leakage current
 - Exceptional temperature stability
 - Moisture-resistant
 - Flame retardant coating
 - Designed for entertainment and commercial equipment
- † Cross References: Panasonic: EF Series; AVX: Tap Series; Sprague: 196D and 199D; Matsuo: 202; Kemet: T350/ T360; Mepco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
154861CG	TM1/25	.10	25	4.5 x 7 x 2.5	\$.32	\$.29	\$.25	\$.22
33487CG	TM.1	.10	35	4.5 x 7 x 2.5	.27	.25	.19	.15
332111CG	TDR0.1/50	.10	50	4.5 x 7 x 2.5	.30	.269	.194	.18
33508CG	TM.22	.22	35	4.5 x 7 x 2.5	.27	.25	.19	.143
545908CG	TAP334K035SCS	.33	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33524CG	TM.33	.33	35	4.5 x 7 x 2.5	.25	.225	.19	.143
545916CG	TAP334K050SCS	.33	50	4.3 x 7 x 2.5	.29	.25	.227	.219
332128CG	TDR0.33/50	.33	50	4.5 x 7 x 2.5	.39	.351	.227	.17
546038CG	TAP474K035SCS	.47	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33532CG	TM.47	.47	35	4.5 x 7 x 2.5	.22	.20	.15	.14
546046CG	TAP474K050SCS	.47	50	4.3 x 7 x 2.5	.33	.279	.254	.243
332136CG	TDR0.47/50	.47	50	4.5 x 7 x 2.5	.39	.351	.24	.18
546134CG	TAP684K035SCS	.68	35	4.3 x 7 x 2.5	.26	.247	.202	.194
61103CG	TM.68	.68	35	4.5 x 7 x 2.5	.33	.29	.21	.158
546142CG	TAP684K050SCS	.68	50	4.3 x 7 x 2.5	.33	.314	.254	.243
545588CG	TAP105K025SCS	1	25	4.3 x 7 x 2.5	.23	.194	.177	.168
545596CG	TAP105K035SCS	1	35	4.3 x 7 x 2.5	.20	.169	.154	.151
545561CG	TAP104K035SCS	1	35	4 x 6 x 2.5	.26	.194	.161	.153
33663CG	TM1	1	35	4.5 x 7 x 2.5	.32	.29	.25	.22
545609CG	TAP105K050SCS	1	50	4.7 x 7 x 2.5	.30	.254	.23	.219
332145CG	TDR1/50	1	50	8.0 x 5 x 2.5	.34	.30	.216	.203
545705CG	TAP155K025SCS	1.5	25	4.3 x 7 x 2.5	.26	.224	.202	.194
545713CG	TAP155K035SCS	1.5	35	4.3 x 7 x 2.5	.30	.257	.234	.219
94002CG	TM2.2/16	2.2	16	4.5 x 7 x 2.5	.21	.19	.16	.12
33735CG	TM2.2/35	2.2	35	5 x 8 x 2.5	.39	.35	.29	.218
545799CG	TAP225K020SCS	2.2	20	4.3 x 7 x 2.5	.30	.257	.234	.219
545801CG	TAP225K025SCS	2.2	25	4.3 x 7 x 2.5	.24	.203	.184	.175
545810CG	TAP225K035SCS	2.2	35	4.3 x 7 x 2.5	.26	.22	.20	.19
545828CG	TAP225K050SCS	2.2	50	5.4 x 8 x 2.5	.53	.448	.407	.404
332152CG	TDR2.2/50	2.2	50	6.5 x 11 x 2.5	.73	.63	.50	.45
545924CG	TAP335K010SCS	3.3	10	4 x 6 x 2.5	.26	.224	.202	.194
545932CG	TAP335K016SCS	3.3	16	4.3 x 7 x 2.5	.26	.224	.202	.194
545941CG	TAP335K025SCS	3.3	25	4.3 x 7 x 2.5	.33	.279	.254	.243
545959CG	TAP335K035SCS	3.3	35	4.3 x 7 x 2.5	.41	.347	.314	.30
33770CG	TM3.3	3.3	35	5 x 8 x 2.5	.45	.36	.32	.24
545967CG	TAP335K050SCS	3.3	50	5.4 x 8 x 2.5	.65	.64	.63	.62
546054CG	TAP475K010SCS	4.7	10	4.3 x 7 x 2.5	.25	.213	.193	.184
546062CG	TAP475K016SCS	4.7	16	4.3 x 7 x 2.5	.28	.249	.228	.205
94036CG	TM4.7/16	4.7	16	5 x 8 x 2.5	\$.47	.35	.29	.23
546071CG	TAP475K025SCS	4.7	25	4.3 x 7 x 2.5	.38	.36	.263	.25
94044CG	TM4.7/25	4.7	25	5 x 8 x 2.5	.49	.44	.316	.237
546089CG	TAP475K035SCS	4.7	35	4.7 x 7.5 x 2.5	.33	.314	.258	.245
33807CG	TM4.7	4.7	35	5.5 x 9.5 x 2.5	.45	.42	.37	.27
546097CG	TAP475K050SCS	4.7	50	6 x 9.4 x 2.5	.91	.90	.89	.88
546151CG	TAP685K006SCS	6.8	6.3	4 x 6 x 2.5	.26	.247	.202	.194
546169CG	TAP685K010SCS	6.8	10	4.3 x 7 x 2.5	.37	.352	.284	.267
546177CG	TAP685K016SCS	6.8	16	4.3 x 7 x 2.5	.39	.371	.299	.284
546185CG	TAP685K025SCS	6.8	25	4.7 x 7.5 x 2.5	.51	.439	.348	.331
546193CG	TAP685K035SCS	6.8	35	4.7 x 7.5 x 2.5	.51	.485	.391	.373
33874CG	TM6.8	6.8	35	6.5 x 11 x 2.5	.59	.45	.36	.32

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
545617CG	TAP106K006SCS	10	6.3	4.3 x 7 x 2.5	\$.33	\$.279	\$.254	\$.243
545625CG	TAP106K010SCS	10	10	4.7 x 7.5 x 2.5	.42	.253	.224	.213
94061CG	TM10/16	10	16	5 x 8 x 2.5	.45	.39	.29	.25
545633CG	TAP106K020SCS	10	20	5.4 x 8 x 2.5	.50	.423	.384	.365
545641CG	TAP106K025SCS	10	25	5.4 x 8 x 2.5	.58	.498	.395	.389
94079CG	TM10/25	10	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36
545570CG	TAP106K050SCS	10	50	4 x 6 x 2.5	.31	.269	.227	.219
545650CG	TAP106K035SCS	10	35	5.4 x 8 x 2.5	.81	.77	.68	.62
33690CG	TM10	10	35	5.5 x 11 x 2.5	.89	.79	.69	.59
332161CG	TDR10/50	10	50	8.5 x 13 x 2.5	3.15	2.78	2.27	1.70
545721CG	TAP156K010SCS	15	10	4.7 x 7.5 x 2.5	.44	.372	.338	.324
545730CG	TAP156K016SCS	15	16	5.4 x 8 x 2.5	.53	.448	.407	.389
545748CG	TAP156K020SCS	15	20	5.4 x 8 x 2.5	.54	.457	.414	.397
33719CG	TM15	15	25	6.5 x 11 x 2.5	.89	.80	.72	.54
597468CG	TAP156K035SCS	15	35	6 x 9.4 x 2.5	1.79	1.52	1.38	1.30
545692CG	TAP154K035SCS	15	35	4 x 6 x 2.5	.26	.224	.202	.194
545836CG	TAP226K006SCS	22	6.3	4.7 x 7.5 x 2.5	.44	.372	.338	.324
33752CG	TM22	22	6.3	5.5 x 9.5 x 2.5	.45	.37	.26	.195
545844CG	TAP226K010SCS	22	10	5.4 x 8 x 2.5	.50	.423	.384	.365
545852CG	TAP226K016SCS	22	16	5.4 x 8 x 2.5	.40	.338	.307	.305
94095CG	TM22/16	22	16	5.5 x 9.5 x 2.5	.69	.59	.49	.45
545861CG	TAP226K020SCS	22	20	6 x 9.4 x 2.5	1.01	.86	.77	.73
545879CG	TAP226K025SCS	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08
545887CG	TAP226K035SCS	22	35	7 x 11 x 2.5	1.39	1.18	1.07	1.05
332101CG	TDR22/35	22	35	8.5 x 13 x 2.5	2.15	1.85	1.25	.94
545975CG	TAP336K006SCS	33	6.3	5.4 x 8 x 2.5	.47	.397	.361	.34
545983CG	TAP336K010SCS	33	10	5.4 x 8 x 2.5	.58	.491	.446	.421
545991CG	TAP336K016SCS	33	16	6 x 9.4 x 2.5	1.03	.87	.78	.75
546003CG	TAP336K020SCS	33	20	6 x 9.4 x 2.5	1.45	1.23	1.12	1.05
546011CG	TAP336K025SCS	33	25	6 x 9.4 x 2.5	1.89	1.60	1.45	1.38
33786CG	TM33	33	25	8.5 x 13 x 2.5	2.35	2.09	1.67	1.23
546020CG	TAP336K035SCS	33	35	8.2 x 12.5 x 2.5	3.15	2.67	2.43	2.28
546100CG	TAP476K010SCS	47	10	6 x 9.4 x 2.5	1.03	.98	.79	.75
546118CG	TAP476K016SCS	47	16	6 x 9.4 x 2.5	1.59	1.52	1.22	1.14
94124CG	TM47/16	47	16	6.5 x 11 x 2.5	1.69	1.55	1.35	.95
33823CG	TM47	47	25	9.5 x 16.5 x 2.5	3.39	3.05	2.35	1.85
546126CG	TAP476K035SCS	47	35	8.2 x 12.5 x 5	5.55	5.28	3.76	3.58
546206CG	TAP686K006SCS	68	6.3	6 x 9.4 x 2.5	.62	.59	.476	.454
546214CG	TAP686K010SCS	68	10	6 x 9.4 x 2.5	1.49	1.42	1.15	1.08
546222CG	TAP686K016SCS	68	16	7 x 11 x 2.5	1.95	1.85	1.48	1.39
546231CG	TAP686K020SCS	68	20	8.2 x 12.5 x 5	4.09	3.89	3.14	2.95
332099CG	TDR68/25	68	25	9.5 x 16.5 x 2.5	6.49	5.64	4.42	3.32
545668CG	TAP107K006SCS	100	6.3	6.0 x 9.4 x 2.5	1.31	1.12	1.01	.96
33701CG	TM100	100	6.3	8.5 x 13 x 2.5	1.19	1.07	.85	.63
597450CG	TAP107K016SCS	100	16	7 x 11 x 2.5	4.09	3.46	3.14	2.95
545684CG	TAP107K020SCS	100	20	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43
545764CG	TAP157K006SCS	150	6.3	7 x 11 x 2.5	1.95	1.63	1.48	1.39
545772CG	TAP157K010SCS	150	10	7 x 11 x 2.5	3.79	3.22	2.92	2.74
33700CG	TAP227K010SCS	220	10	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43

Other Manufacturers — Great Deals*

33486CG	TM.1	.10	35	4.5 x 7	\$.23	\$.225	\$.171	\$.135
33507CG	TM.22	.22	35	4.5 x 7	.27	.237	.184	.137
33523CG	TM.33	.33	35	4.5 x 7	.27	.237	.216	.162
33531CG	TM.47	.47	35	4.5 x 7	*	.18	.135	.126
61102CG	TM.68	.68	35	4.5 x 7	.27	.23	.213	.159
154860CG	TM1/25	1	25	4.5 x 7	.29	.261	.225	.198
33662CG	TM1	1	35	4.5 x 7	.29	.261	.225	.198
94001CG	TM2.2/16	2.2	16	4.5 x 7	*	.24	.176	.132
94019CG	TM2.2/25	2.2	25	4.5 x 7	\$.35	.29	.24	.20
33734CG	TM2.2	2.2	35	5 x 8	.35	.315	.261	.198
33769CG	TM3.3	3.3	35	5 x 8	.50	.324	.297	.279
94035CG	TM4.7/16	4.7	16	5 x 8	.34	.31	.27	.20
94043CG	TM4.7/25	4.7	25	5 x 8	.44	.396	.297	.18

33806CG	TM4.7	4.7	35	5.5 x 9.5	\$.41	\$.378	\$.333	\$.243
33873CG	TM6.8	6.8	35	6.5 x 11	.53	.48	.38	.29
94060CG	TM10/16	10	16	5.0 x 8	.41	.351	.261	.225
94078CG	TM10/25	10	25	5.5 x 9.5	.53	.45	.36	.324
33689CG	TM10	10	35	6.5 x 11	.80	.71	.62	.53
33718CG	TM15	15	25	6.5 x 11	.80	.72	.65	.58
33751CG	TM22	22	6.3	5.5 x 9.5	.49	.44	.35	.26
94094CG	TM22/16	22	16	5.5 x 9.5	.62	.53	.441	.405
94107CG	TM22/25	22	25	8.5 x 13	1.59	1.45	.89	.79
33785CG	TM33	33	25	8.5 x 13	2.09	1.89	1.45	.95
94123CG	TM47/16	47	16	6.5 x 11	1.55	1.39	1.25	.86
33822CG	TM47	47	25	9.5 x 16.5	3.05	2.75	2.09	

Polyester Capacitors

Color Code Legend			
New	Sale	Lower\$	QtySave

CDE Polyester & Polypropylene Film/Foil Capacitors

Type PVC ±10%

- Rugged epoxy case material meets UL94V-0
- Non-inductively wound
- Crimped leads for secure PCB insertion
- Voltage range: polyester – 100VDC to 1000VDC; polypropylene – 1200VDC to 2000VDC
- Insulation resistance: polyester – 100,000MΩ for ≤0.25μF, 25,000MΩ >0.25μF; polypropylene – 400,000MΩ =< 0.50μF, 200,000MΩ >0.50μF
- Dielectric withstanding voltage: 250% rated voltage for <1000V, 200% rated voltage for ≥1000V



200VDC/140VAC, 60Hz

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Product No.	Value (μF)	L x Dia. (mm)	Spacing	1	10	100	1000
536930CG	PVC211▲	0.10	17.8 x 8.4	12.7mm	*	\$1.01	\$.91	\$.86
536921CG	PVC201▲	0.10	30.5 x 10.2	24.6mm	1.69	1.53	1.38	1.24

400VDC/200VAC, 60Hz

Part No.	Product No.	Value (μF)	L x Dia. (mm)	Spacing	1	10	100	1000
536948CG	PVC401▲	0.10	30.5 x 13.5	24.6mm	\$1.95	\$1.74	\$1.56	\$1.40

600VDC/200VAC, 60Hz

Part No.	Product No.	Value (μF)	L x Dia. (mm)	Spacing	1	10	100	1000
536981CG	PVC611▲	0.01	22.9 x 10.2	17.5mm	\$1.32	\$1.18	\$1.06	\$.95
536999CG	PVC6147	0.047	30.5 x 14.2	24.6mm	.88	.83	.79	.76
536956CG	PVC601▲	0.10	130.5 x 16.5	24.6mm	2.45	2.18	1.96	1.76
536964CG	PVC6022▲	0.22	40.6 x 20.3	34.1mm	4.39	3.95	3.55	3.19
536972CG	PVC6025▲	0.25	40.6 x 20.3	34.1mm	4.55	4.07	3.66	3.29

1000VDC/200VAC, 60Hz

Part No.	Product No.	Value (μF)	L x Dia. (mm)	Spacing	1	10	100	1000
536884CG	PVC10010▲	0.10	40.6 x 21.6	34.1mm	\$3.55	\$3.45	\$3.27	\$3.11

1600VDC/475VAC, 60Hz

Part No.	Product No.	Value (μF)	L x Dia. (mm)	Spacing	1	10	100	1000
536892CG	PVC1611▲	0.01	31.8 x 13.5	24.6mm	\$1.85	\$1.67	\$1.50	\$1.36
536905CG	PVC16147▲	0.047	41.9 x 20.3	34.1mm	4.09	3.69	3.32	2.99

CDE Radial Metallized Polyester RC Network for Transient Suppression Capacitors

Type Q/QRL (Quencharc®) Arc Suppressor/Snubber Network

- Noise and arc suppression
- Relay contact protection
- Noise reduction on controllers and drives
- Type QRL – UL/CSA version
- Lead spacing: 20.8mm
- Capacitance tolerance: ±20%
- Resistor tolerance: ±10%
- Operating temperature range: -55°C to 85°C
- Metallized polyester in series with a carbon composition resistor
- Dielectric withstanding voltage: 1.6 x DC rated voltage

527873CG: UL/CSA recognized across-the-line application, type QRL, complies with UL1414 CSA-22.2 No.1

200VDC/125VAC • Size: 27.4L x 9.4Th. x 16.3H mm

Part No.	Product No.	Value (μF)	Resistor Value	1	10	100	500
527881CG	105M02QB47▲	1.0	1/2W; 100Ω	\$5.19	\$4.91	\$3.61	\$3.04

600VDC/250VAC • Size: 27.4L x 9.4Th. x 16.8H mm

Part No.	Product No.	Value (μF)	Resistor Value	1	10	100	500
527857CG	104M06QC22▲	0.10	1/2W; 22Ω	\$3.99	\$3.78	\$2.78	\$2.34
527865CG	104M06QC47▲	0.10	1/2W; 47Ω	5.19	4.14	3.80	3.61
527831CG	104M06QC100▲	0.10	1/2W; 100Ω	3.89	3.79	2.78	2.35
527849CG	104M06QC150▲	0.10	1.2W; 150Ω	5.59	4.47	4.12	3.91

Type QRL 125VAC • Size: 27.4L x 9.4Th. x 16.8H mm

Part No.	Product No.	Value (μF)	Resistor Value	1	10	100	500
527873CG	104MACQRL150▲	0.10	1/2W; 150Ω	\$4.55	\$4.29	\$3.16	\$2.66

30-Day Money-Back Guarantee

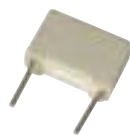
If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CDE Metallized Polyester Radial-Lead Capacitors

Type 167/184 ±5%

- Rugged plastic case
- Case and epoxy fill meets UL94V-0
- Length: 10.5mm
- 7.5mm (0.3") lead spacing
- Operating temperature range: -55°C to 125°C
- Dielectric withstanding voltage: 1.6 x rated voltage for 2 seconds
- Good for general purpose applications such as bypass, decoupling, energy storage/discharge and arc suppression



Part No.	Product No.	Value (μF)	Volt. (VDC/VAC)	Th. x H (mm)	1	10	100	500
528391CG	167104J63A▲	0.10	63/40	3.5 x 7	\$.38	\$.36	\$.342	\$.295
528382CG	167104J100A▲	0.10	100/63	3.5 x 7	.37	.353	.334	.292
528403CG	167224J100C▲	0.22	100/63	5 x 11	.52	.492	.467	.315
528366CG	167103J250A	0.01	250/160	3.5 x 7	.30	.282	.268	.219
528374CG	167103J400A▲	0.01	400/200	3.5 x 7	.46	.435	.413	.321
528358CG	167102J630A▲	0.001	630/220	3.5 x 7	.35	.334	.317	.214

Type 168/185 ±5%

- Rugged plastic case
- Case and epoxy fill meets UL94V-0
- 5mm (0.197") lead spacing
- Non-polarized
- Non-inductively wound
- Length: 7.2mm
- Low leakage
- Good for general purpose applications such as bypass, decoupling, energy storage/discharge and arc suppression

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Product No.	Value (μF)	Volt. (VDC/VAC)	Th. x H (mm)	1	10	100	500
528438CG	168104J50A▲	0.10	50/30	2.5 x 6.5	\$.33	\$.293	\$.264	\$.238
528526CG	168334J50C▲	0.33	50/30	3.5 x 7.5	.42	.399	.379	.27
528462CG	168105J50C▲	1.00	50/30	6.0 x 11.0	.81	.77	.73	.514
528569CG	168473J63A▲	0.047	63/40	2.5 x 6.5	.30	.28	.26	.25
528446CG	168104J63A▲	0.10	63/40	2.5 x 6.5	.29	.27	.24	.238
528454CG	168104K63A▲	0.10	63/40	2.5 x 6.5	.22	.207	.197	.175
528497CG	168224J63C▲	0.22	63/40	3.5 x 7.5	.38	.36	.342	.304
528534CG	168334J63H▲	0.33	63/40	4.5 x 8.5	.55	.52	.494	.383
528577CG	168474J63H▲	0.47	63/40	4.5 x 8.5	.51	.482	.458	.324
528585CG	168474K63H▲	0.47	63/40	4.5 x 8.5	.80	.76	.72	.56
528411CG	168102J100A▲	0.001	100/63	2.5 x 6.5	.41	.37	.333	.30
528471CG	168222J100A▲	0.0022	100/63	2.5 x 6.5	.32	.289	.26	.25
528500CG	168332J100A	0.0033	100/63	2.5 x 6.5	.24	.224	.213	.201
528542CG	168472J100A	0.0047	100/63	2.5 x 6.5	.24	.224	.213	.201
528420CG	168103J100A▲	0.010	100/63	2.5 x 6.5	*	.167	.159	.15
528489CG	168223J100A▲	0.022	100/63	2.5 x 6.5	.31	.28	.26	.249
528518CG	168333J100C▲	0.033	100/63	3.5 x 7.5	.30	.28	.266	.228
528551CG	168473J100C▲	0.047	100/63	3.5 x 7.5	.36	.33	.29	.28

* ±10% tolerance

CDE Axial-Lead Metallized Polyester Capacitors

Type 150 ±5%

- Flame retardant wrap and fill axial capacitors
- Epoxy end fill meets UL94V-0
- Flame retardant outer wrap meets UL510
- General purpose capacitor for use in blocking, bypass, decoupling, smoothing, and timing applications



Part No.	Product No.	Value (μF)	Volts	L x Dia. (mm)	1	10	100	500
527911CG	150104J100AA	0.10	100	11 x 5	\$.47	\$.444	\$.422	\$.357
527961CG	150224J100CB	0.22	100	16.5 x 6.5	.56	.533	.506	.428
527970CG	150334J100EB▲	0.33	100	16.5 x 8	.55	.52	.494	.451
527945CG	150105J100IC▲	1.0	100	20.5 x 10	.96	.92	.87	.79
527988CG	150473J250AA▲	0.047	250	11 x 5	.40	.384	.365	.333
527929CG	150104J250CB▲	0.1	250	16.5 x 6.5	.49	.467	.444	.404
527996CG	150474J250HC▲	0.47	250	20.5 x 9.5	.70	.66	.63	.58
527953CG	150105J250JE▲	1.0	250	28 x 10.5	.93	.88	.84	.76
527902CG	150103J400AA▲	0.010	400	11 x 5	.39	.367	.349	.318
527890CG	150102J630AA▲	0.001	630	11 x 5	.43	.412	.391	.357
527937CG	150104J630FE▲	0.10	630	28 x 8.5	.90	.85	.81	.74



Standard Dipped Mica Capacitors

Type CD10/D10/CD15/CD19/CD30/CD42/CDV19/CDV30

- High temperature up to 150°C
- Dimensions meet EIA RS153B specifications
- 100,000V/μs dV/dt pulse capability minimum
- Dielectric strength: 200% of rated voltage
- Tolerance: ±1/2pF (D); ±pF (C); ±1.2% (E); ±1% (F); ±2% (G); ±5% (J)



* Prepackaged: please order in increments of 10, 100 or 1000



Part No.	Product No.	Value (pF)	Volt VDC	Size (mm) LxHxTh.	Spacing (mm)	Price			
						1	10	100	1000
530108CG	CD10CD050D03♣	5	500	9.1x8.4x4.8	3.6	\$1.06	\$1.00	\$.95	\$.72
530141CG	CD10CD150J03♣	15	500	9.1x8.4x4.8	3.6	1.06	1.00	.95	.72
530167CG	CD10ED200J03♣	20	500	9.1x8.4x4.8	3.6	.81	.77	.73	.539
530191CG	CD10ED270J03♣	27	500	9.4x8.4x4.8	3.6	.81	.77	.73	.539
530204CG	CD10ED300J03♣	30	500	9.4x8.6x4.8	3.6	.81	.77	.73	.539
530212CG	CD10ED330J03♣	33	500	9.4x8.6x4.8	3.6	.81	.77	.73	.539
530221CG	CD10ED390J03♣	39	500	9.4x8.6x4.8	3.6	.91	.86	.82	.62
530280CG	CD10FA331J03♣	330	500	16.3x12.7x4.8	8.7	1.55	1.42	1.35	1.01
530319CG	CD10FD101J03♣	100	500	9.4x8.9x5.1	3.6	.98	.93	.88	.67
530335CG	CD10FD151J03♣	150	500	9.7x9.1x5.3	3.6	1.01	.96	.91	.69
530343CG	CD10FD181J03♣	180	500	9.9x9.4x5.3	3.6	1.65	1.54	1.46	.90
530360CG	CD10FD221J03♣	220	500	9.9x9.7x5.6	3.6	1.37	1.31	1.24	.93
530394CG	CD15CD030D03♣	3	500	11.4x9.1x4.3	5.9	.76	.73	.69	.467
530466CG	CD15ED200D03♣	20	500	11.4x9.1x4.3	5.9	.88	.84	.67	.485
530482CG	CD15ED220D03♣	22	500	11.4x9.1x4.3	5.9	.89	.68	.63	.46
530511CG	CD15ED270J03♣	27	500	11.4x9.1x4.3	5.9	.54	.51	.484	.354
530520CG	CD15ED300J03♣	30	500	11.4x9.1x4.3	5.9	.54	.51	.484	.354
530538CG	CD15ED330G03♣	33	500	11.4x9.1x4.3	5.9	.99	.94	.89	.60
530562CG	CD15ED390G03♣	39	500	11.4x9.1x4.3	5.9	.99	.94	.89	.60
530589CG	CD15ED470G03♣	47	500	11.4x9.1x4.3	5.9	.93	.88	.63	.46
530600CG	CD15ED500J03♣	50	500	11.4x9.1x4.3	5.9	.53	.497	.472	.348
530642CG	CD15ED680J03♣	68	500	11.4x9.1x4.6	5.9	.56	.52	.494	.365
530491CG	CD15ED220J03♣	22	500	11.4x9.1 x4.6	5.9	*	.50	.49	.48
530669CG	CD15ED820J03♣	82	500	11.4x9.1x4.6	5.9	.55	.52	.494	.365
530677CG	CD15FA102F03♣	1000	500	11.4x9.1x4.6	5.9	4.29	4.07	3.87	2.79
530722CG	CD15FC681J03♣	680	300	11.9x9.9x5.3	5.9	1.69	1.57	1.49	1.10
530731CG	CD15FC751J03♣	750	300	11.9x9.9x5.3	5.9	1.79	1.67	1.59	1.18
530749CG	CD15FC821J03♣	820	300	11.9x9.9x5.3	5.9	1.95	1.81	1.72	1.27
530757CG	CD15FD101F03♣	100	500	11.7x9.4x4.6	5.9	1.19	1.13	1.12	.69
530781CG	CD15FD121J03♣	120	500	11.7x9.4x4.6	5.9	.61	.57	.539	.395
530802CG	CD15FD151J03♣	150	500	11.7x9.4x4.8	5.9	.64	.60	.57	.416
530829CG	CD15FD181J03♣	180	500	11.7x9.4x4.8	5.9	.73	.70	.66	.479
530853CG	CD15FD221J03♣	220	500	11.7x9.7x5.1	5.9	.76	.72	.68	.497
530888CG	CD15FD271J03♣	270	500	11.9x9.9x5.3	5.9	.88	.83	.79	.58
530909CG	CD15FD331G03♣	330	500	11.9x9.9x5.3	5.9	1.79	1.70	1.20	.88
530941CG	CD15FD391J03♣	390	500	11.9x9.9x5.3	5.9	1.12	1.05	1.00	.74
530984CG	CD15FD471J03♣	470	500	11.9x10.2x5.6	5.9	1.30	1.22	1.16	.85
531039CG	CD19FD102J03	1000	500	16.5x13.2x5.6	8.7	1.59	1.51	1.13	.94
531055CG	CD19FD122J03♣	1200	500	16.8x13.2x5.6	8.7	1.59	1.49	1.13	.94
531101CG	CD19FD202J03♣	2000	500	17x13.5x6.1	8.7	2.35	2.20	1.66	1.37
531135CG	CD19FD271J03♣	270	500	16.3x12.7x4.8	8.7	1.06	.99	.75	.62
531160CG	CD19FD331J03♣	330	500	16.3x12.7x4.8	8.7	1.10	1.02	.77	.64
531194CG	CD19FD392J03	3900	500	17.5x14.2x7.9	8.7	3.89	3.68	2.77	2.30
531215CG	CD19FD472J03♣	4700	500	17.8x14.7x8.9	8.7	4.15	3.67	2.77	2.29
531258CG	CD19FD561J03♣	560	500	16.5x13x5.1	8.7	1.15	1.08	.81	.67
531266CG	CD19FD681J03♣	680	500	16.5x13x5.3	8.7	1.33	1.26	.95	.79
531303CG	CD30FD103J03♣	10,000	500	20.3x22.6x8.6	11.1	9.09	8.15	6.15	5.04
531776CG	CDV19FF391J03♣	390	1000	16.5x13x5.1	8.7	1.79	1.70	1.06	.79

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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	QtySave



Radial Snap-In Capacitors

Type LP ±20%

- High reliability
- Stable ESR
- Small size, rated for low-voltage applications
- Polarized
- PVC sleeve insulation
- Ideal for use in switch-mode power supplies



Part No.	Product No.	Value (μF)	Volts	Dia. x L (mm)	1	10	100	500
535777CG	LP101M250A1P3♣	100	200	22 x 25	\$4.99	\$4.72	\$4.21	\$3.37
535822CG	LP151M200C1P3♣	150	200	25 x 25	1.99	1.76	1.58	1.42
535785CG	LP102M200H9P3♣	1,000	200	35 x 50	7.15	6.23	4.85	4.61
535814CG	LP122M050A1P3♣	1,200	50	22 x 25	.90	.79	.76	.72
535857CG	LP222M050E1P3♣	2,200	50	30 x 25	4.75	3.99	3.24	2.73
535865CG	LP222M063E3P3♣	2,200	63	30 x 30	1.99	1.88	1.38	1.10
535881CG	LP272M035C1P3	2,700	35	25 x 25	2.35	2.24	1.65	1.31
535890CG	LP332M050E3P3♣	3,300	50	30 x 30	5.79	5.48	4.89	3.91
535911CG	LP472M106A1P3♣	4,700	16	22 x 25	2.89	2.76	1.51	1.07
535929CG	LP472M050H3P3♣	4,700	50	35 x 30	2.49	2.32	1.70	1.35
535937CG	LP472M063E9P3♣	4,700	63	30 x 50	5.95	5.07	4.53	4.04
535945CG	LP682M050E9P3♣	6,800	50	30 x 50	4.95	4.31	4.09	3.89
535953CG	LP682M063H9P3♣	6,800	63	35 x 50	6.29	5.99	5.19	4.94
535961CG	LP822M035H3P3♣	8,200	35	35 x 30	2.85	2.47	2.34	2.22
535793CG	LP103M025H3P3♣	10,000	25	35 x 30	2.49	2.32	1.71	1.36
535806CG	LP103M035E7P3♣	10,000	35	30 x 40	3.99	3.79	3.27	3.11
535831CG	LP153M016H3P3♣	15,000	16	35 x 30	8.35	7.15	6.39	5.70
535849CG	LP153M035H9P3♣	15,000	35	35 x 50	6.49	5.54	4.95	4.42
535873CG	LP222M025H9P3♣	22,000	25	35 x 50	5.85	5.09	4.83	4.59
535902CG	LP333M016H9P3♣	33,000	16	35 x 50	12.15	10.38	9.27	8.28

Type LPX ±20%

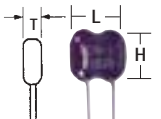
- Compact design for high density packaging
- Low voltage
- High capacitance
- Ideal for high voltage switch-mode power supply input filtering applications
- Polarized
- PVC insulating sleeve

Part No.	Product No.	Value (μF)	Volts	Dia. x L (mm)	1	10	100	500
535970CG	LPX101M400A3P3♣	100	400	22 x 30	\$1.89	\$1.78	\$1.31	\$1.20
535988CG	LPX101M450C3P3♣	100	450	25 x 30	4.85	4.36	3.92	3.52
536016CG	LPX221M400C7P3♣	220	400	25 x 40	3.65	3.45	2.53	2.00
536032CG	LPX271M450E4P3♣	270	450	30 x 45	13.49	12.14	10.92	9.82
536041CG	LPX331M250C3P3♣	330	250	25 x 30	3.49	3.09	2.99	2.84
536059CG	LPX331M400E7P3♣	330	400	30 x 40	5.79	5.13	4.96	4.71
536067CG	LPX331M450H7P3♣	330	450	35 x 40	7.29	6.93	5.08	4.03
536075CG	LPX471M200C3P3♣	470	200	25 x 30	2.39	2.25	1.65	1.31
536083CG	LPX471M450H9P3♣	480	450	35 x 50	10.39	9.88	7.24	5.74
536091CG	LPX681M200C7P3♣	680	200	25 x 40	5.09	4.58	4.12	3.70
536104CG	LPX681M400H9P3♣	680	400	35 x 50	11.49	10.18	9.83	9.34
535996CG	LPX152M200H7P3♣	1,500	200	35 x 40	12.95	11.65	10.48	9.43
536008CG	LPX152M250H9P3♣	1,500	250	35 x 50	9.55	8.43	8.15	7.74
536024CG	LPX222M200H9P3♣	2,200	200	35 x 50	11.89	10.51	10.16	9.65

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors

- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C



Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991CG	DM100	10pF	500	11 x 4 x 9	\$.49	\$.44	\$.333	\$.249
16037CG	DM220	22pF	500	11 x 4 x 9	.49	.39	.29	.23
16070CG	DM330	33pF	500	11 x 4 x 9	.49	.441	.353	.264
16096CG	DM470	47pF	500	11 x 4 x 9	.49	.39	.29	.218
16002CG	DM101	100pF	500	11 x 4 x 9	.49	.44	.35	.26
16088CG	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.412
16109CG	DM471	470pF	500	11 x 4 x 9	1.05	.95	.76	.57
16011CG	DM102	1000pF	100	11 x 4 x 9	1.19	1.07	.86	.64

* Capacitor dimensions and styles may vary

Suppressor & Ceramic Capacitors

Color Code Legend			
New	Sale	Lower\$	QtySave

CDE

Suppressor Capacitors

158 Series Type X2 ±20%

- UL1414 and CSA approved
- Flame retardant case meets UL94V-0
- Polyurethane end file meets UL94V-0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock
- Lead material: tinned copper clad steel
- Operating temperature range: -40°C to 100°C
- Voltage range: 275/250 VAC, 60Hz
- Insulation resistance @ 500VDC: $\leq 0.33\mu F = 15k M\Omega$, $\geq 0.47\mu F = 5k M\Omega \times \mu F$



Part No.	Product No.	Value (μF)	L x Th. x H (mm)	Spacing (mm)	1	10	100	500
528008CG	158X103	0.010	17 x 5 x 12	15	\$.96	\$.86	\$.77	\$.69
528059CG	158X333	0.033	17 x 5 x 12	15	.73	.69	.62	.434
528067CG	158X473	0.047	17 x 5.5 x 12.5	15	.98	.88	.79	.71
528016CG	158X104	0.10	17 x 8 x 15	15	.99	.89	.80	.72
528032CG	158X244	0.22	25 x 8 x 17.5	22.5	1.65	1.48	1.33	1.19
528075CG	158X474	0.47	30 x 11 x 22	27.5	1.65	1.55	1.10	.85
528083CG	158X684	0.68	30 x 13.5 x 24.5	27.5	2.75	2.47	2.20	1.76
528024CG	158X105	1.0	30.5 x 15 x 24.5	27.5	2.99	2.82	2.00	1.59
528041CG	158X225	2.2	41 x 17.5 x 32.5	37.5	5.95	5.65	4.00	3.18

CDE

Aluminum Electrolytic Capacitors

Type CGH High Voltage Screw

Terminal Computer Grade

- Voltage range: 250-500VDC • Temp. range: -40° to 85°C

Type CGO Computer Grade

- Voltage range: 5-55VDC • Temp. range: -40° to 85°C

Type CGR High Temperature Screw

Terminal Computer Grade

- Voltage range: 7.5-200VDC • Temp. range: -40° to 105°C

Type CGS Screw Terminal Computer Grade

- Voltage range: 6.3-500VDC • Temp. range: -40° to 85°C

Type SEK/SK Radial Lead

- Voltage range: 6.3-450VDC • Tolerance: ±20%

Type SKA Axial Lead

- Tolerance: ±20% • High CV • Voltage range: 6.3-450VDC

Type TC Axial Lead

- Voltage range: 16-450VDC • Operating temp.: -40°C to 85°C

Type TCG Axial Lead Computer Grade

- Voltage range: 6-450VDC • Operating temp.: -40°C to 85°C

Type TKA Axial Lead

- Voltage range: 6.3-450VDC • Operating temp.: -40°C to 105°C

Type SN 85°C Non-Polar

- Voltage range: 6.3-85VNP • Operating temp.: -40°C to 105°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete CDE Electrolytic Offering at
www.Jameco.com/Prod/CDEElectrolytic

CDE

Miscellaneous Capacitors

Type PSU AC Motor Start

- Dual quick connect terminals • Voltage range: 110-330VAC
- Operating temp: -40°C to 65°C

Type SCRNFilm-Paper/Extended Foil Commutating Capacitor

- Voltage range: 200-2000 Vpk • Tolerance: ±10%

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete CDE Offering at
www.Jameco.com/Prod/CDEOther

◆ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CDE

Ceramic Capacitors

P10 - P40 Series Multi-Layer

- Axial leaded conformally coated
- Encapsulation consists of a moisture and shock resistant coating that meets UL04V-0
- Applications: filtering, bypass, coupling



50VDC, X7R, ±10%

Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Capacitance	Dimensions	10	100	500	1000
536526CG	P10R103K5	.01uF	0.10"Dia. x 0.17"L	\$.118	\$.112	\$.108	\$.105
536542CG	P20R104K5	0.1uF	0.12"Dia. x 0.17"L	.17	.158	.15	.141

50VDC, Z5U, ±20%

Part No.	Product No.	Capacitance	Dimensions	10	100	500	1000
536534CG	P10U104M5	0.1uF	0.10"Dia. x 0.17"L	\$.10	\$.096	\$.091	\$.086
536551CG	P40U105M5	1uF	0.15"Dia. x 0.40"L	1.07	.96	.86	.77

General Purpose Disc

- Ideal for use in non-critical coupling, bypass and filter applications
- Conformally coated • Radial leads
- Temperature range: -30°C to +85°C
- Lead length: 1" minimum
- Lead dia.: 0.025" (except P/N 535638: 0.016")
- Insulation resistance: 10,000MΩ min. • Power factor @ 1kHz: 2.5% max.
- Breakdown voltage: 2.5 x rated (5 seconds max.)



Y5U, 20%

Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535689CG	GP247	4700	1000	0.43" x 0.18"	0.252"	\$.337	\$.32	\$.181	\$.11
535646CG	GM103M	10,000	500	0.49" x 0.16"	0.252"	.35	.335	.203	.193
535654CG	GP110	10,000	1000	0.59" x 0.18"	0.374"	.35	.335	.203	.193

Y5P, 10%

Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535638CG	GE101K	100pF	50	0.16" x 0.12"	0.098"	\$.142	\$.135	\$.097	\$.048
535697CG	GP310	100pF	1000	0.24" x 0.18"	0.252"	.172	.163	.154	.057
535700CG	GP347	470pF	1000	0.24" x 0.18"	0.252"	.29	.26	.23	.20
535662CG	GP210	1000pF	1000	0.29" x 0.18"	0.252"	.213	.202	.191	.07
535671CG	GP222	2200pF	1000	0.37" x 0.18"	0.252"	.354	.336	.19	.152

EIA Class 2 Temperature/Frequency Stable Disc

- Highly efficient for bypass & coupling applications
- Radial leads • High voltage
- Temperature range: -30°C to +85°C
- Insulation resistance: 10,000MΩ min.
- Power factor @ 1000Hz: 2.5% max.
- Breakdown voltage: 2.5 x rated (5 seconds max.)
- Lead length: 1" minimum • Lead diameter: 0.032"



Y5U, 20%

Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535718CG	HT102M	1000pF	3000	0.39" x 0.24"	0.374"	\$.59	\$.53	\$.47	\$.42
535726CG	HT222M	2200pF	3000	0.59" x 0.24"	0.374"	1.06	.95	.85	.76
535742CG	HT472M	4700pF	3000	0.79" x 0.24"	0.374"	1.03	.98	.64	.61

Y5P, 10%

Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535734CG	HT471K	470pF	3000	0.39" x 0.24"	0.374"	\$.344	\$.327	\$.203	\$.17

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Our enhanced website offers over 65,000 new products. Find products quickly and order them easily.

Ceramic Disc Capacitors (±20%)

25, 50 and 1000 Volt, 25U Temperature Coefficient

Operating temperature range	+10°C to +85°C
Cap. change over temp. range	+22% to -56%
Dielectric withstanding voltage	2.5 times rated volt. for not < 1 sec.



Quantity SAVE

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing				
					1	10	100	1000	5000
332179CG	CD1/50	1pF	50	5 x 2.5	*	\$0.14	\$0.09	\$0.08	\$0.07
135142CG	DC2.2	2.2pF	50	5 x 2.5	*	.05	.035	.019	.014
332291CG	CD3.3/1000	3.3pF	1000	5 x 2.5	*	.176	.103	.098	.074
332187CG	CD5/50	5pF	50	5 x 2.5	*	.056	.028	.027	.026
332304CG	CD5/1000	5pF	1000	5 x 2.5	*	.143	.108	.097	.073
15334CG	DC10	10pF	50	5 x 2.5	*	.07	.05	.02	.015
332312CG	CD10/1000	10pF	1000	6 x 2.5	.44	.35	.20	.18	.135
332195CG	CD12/50	12pF	50	5 x 2.5	*	.014	.009	.008	.007
332208CG	CD15/50	15pF	50	5 x 2.5	*	.03	.018	.016	.015
332321CG	CD20/1000	20pF	1000	5 x 2.5	.44	.35	.20	.18	.135
15406CG	DC22	22pF	50	6 x 2.5	*	.078	.055	.028	.022
332339CG	CD22/1000	22pF	1000	5 x 2.5	*	.093	.052	.048	.044
332217CG	CD33/50	33pF	50	5 x 2.5	*	.056	.027	.025	.02
15511CG	DC47	47pF	50	5 x 2.5	*	.055	.039	.022	.017
332347CG	CD47/1000	47pF	1000	5 x 2.5	.42	.234	.167	.092	.069
332225CG	CD68/50	68pF	50	5 x 2.5	*	.065	.033	.029	.025
332355CG	CD68/1000	68pF	1000	5 x 2.5	*	.141	.095	.086	.065
15342CG	DC100	100pF	50	5 x 2.5	*	.056	.039	.028	.022
332232CG	CD120/50	120pF	50	5 x 2.5	*	.056	.029	.027	.02
332363CG	CD120/1000	120pF	1000	5 x 2.5	.23	.206	.147	.081	.06
332371CG	CD150/1000	150pF	1000	5 x 2.5	*	.201	.143	.079	.059
15414CG	DC220	220pF	50	5 x 2.5	*	.05	.035	.025	.015
332380CG	CD220/1000	220pF	1000	5 x 2.5	.42	.201	.143	.079	.059
15449CG	DC330	330pF	50	5 x 2.5	*	.05	.035	.025	.019
332398CG	CD330/1000	330pF	1000	5 x 2.5	.42	.235	.17	.096	.068
15529CG	DC470	470pF	50	5 x 2.5	*	.09	.072	.028	.021

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing				
					1	10	100	1000	5000
332401CG	CD470/1000	470pF	1000	5 x 2.5	.42	.235	.17	.096	.072
332419CG	CD560/1000	560pF	1000	6 x 2.5	*	.043	.039	.031	.023
332241CG	CD680/50	680pF	50	5 x 2.5	*	.056	.03	.027	.021
332427CG	CD680/1000	680pF	1000	6 x 2.5	*	.149	.084	.071	.053
207853CG	CD820/1000	820pF	1000	14 x 2.5	*	.07	.063	.05	.037
332436CG	CD1000/1000	1000pF	1000	5 x 2.5	.38	.235	.17	.096	.09
332259CG	CD1200/50	1200pF	50	5 x 2.5	*	.056	.03	.027	.02
332267CG	CD1500/50	1500pF	50	5 x 2.5	*	.056	.03	.027	.02
332275CG	CD2200/50	2200pF	50	5 x 2.5	*	.074	.037	.033	.027
332443CG	CD2200/1000	2200pF	1000	6 x 2.5	.42	.293	.235	.12	.09
332283CG	CD3300/50	3300pF	50	5 x 2.5	*	.074	.037	.033	.024
332451CG	CD4700/1000	4700pF	1000	7 x 2.5	.35	.315	.268	.214	.161
332460CG	CD5000/1000	5000pF	1000	7 x 2.5	.31	.30	.186	.177	.132
332478CG	CD7500/1000	7500pF	1000	8 x 2.5	.48	.456	.323	.307	.23
15191CG	DC.001	.001μF	50	6 x 2.5	*	.067	.056	.028	.024
97342CG	DC.0022/1K20	.0022μF	1000	11 x 2.5	.49	.44	.33	.144	.108
15212CG	DC.0047	.0047μF	50	6 x 2.5	*	.097	.088	.083	.079
15230CG	DC.01	.01μF	50	6 x 2.5	*	.067	.045	.033	.023
97377CG	DC.01/1K20	.01μF	1000	12 x 2.5	*	.20	.133	.093	.073
332486CG	CD20000/1000	.02μF	1000	16 x 2.5	.60	.57	.33	.26	.185
15246CG	DC.022	.022μF	50	8 x 2.5	*	.07	.063	.05	.037
15254CG	DC.047	.047μF	50	8 x 2.5	*	.093	.083	.066	.049
332494CG	CD47000/1000	.047μF	1000	16 x 2.5	1.59	1.22	.71	.68	.51
332507CG	CD50000/1000	.05μF	1000	16 x 2.5	1.35	1.28	.81	.65	.488
151117CG	DC.1/25	.1μF	25	6 x 2.5	*	.155	.145	.089	.078
15271CG	DC.1	.1μF	50	8 x 2.5	*	.167	.145	.128	.105
332515CG	CD100000/1000	.1μF	1000	21 x 2.5	1.95	1.79	1.05	.83	.79

Other Manufacturers — Great Deals*

135141CG	DC2.2	2.2pF	50	5	*	\$0.05	\$0.032	\$0.017	\$0.014
15333CG	DC10	10pF	50	5	*	.063	.056	.044	.033
15405CG	DC22	22pF	50	6	*	.07	.05	.025	.02
15510CG	DC47	47pF	50	5	*	.05	.045	.036	.027
15341CG	DC100	100pF	50	5	*	.05	.035	.025	.02
15413CG	DC220	220pF	50	5	*	.045	.032	.023	.017
15448CG	DC330	330pF	50	5	*	.045	.032	.02	.015
15528CG	DC470	470pF	50	5	*	.08	.065	.025	.022
15190CG	DC.001	.001μF	50	6	*	.06	.054	.043	.032

97341CG	DC.0022/1K20	.0022μF	1000	11	*	\$0.242	\$0.166	\$0.097	\$0.072
15211CG	DC.0047	.0047μF	50	6	*	.045	.032	.027	.02
15229CG	DC.01	.01μF	50	6	*	.06	.04	.03	.02
97375CG	DC.01/1K20	.01μF	1000	12	*	.18	.12	.084	.066
15245CG	DC.022	.022μF	50	8	*	.063	.045	.036	.027
15253CG	DC.047	.047μF	50	8	*	.084	.076	.06	.045
151116CG	DC.1/25	.1μF	25	6	*	.14	.13	.08	.07
15270CG	DC.1	.1μF	50	8	*	.15	.13	.115	.095

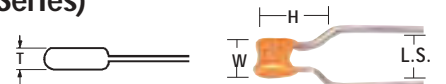
* Capacitor dimensions and styles may vary  Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Monolithic Ceramic Capacitors (±10%) (XR7 Series)

Applications: • Data processing
 Operating temp. range: -10°C to +85°C

• Communications engineering





* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing				
					1	10	100	1000	5000
332582CG	MOC1000/100	100pF	100	5.0x5.0x3.0x2.5	*	\$0.14	\$0.12	\$0.081	\$0.061
332591CG	MOC220/100	220pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.074	.07
332603CG	MOC330/100	330pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.094	.071
332611CG	MOC470/100	470pF	100	5.0x5.0x3.0x2.5	*	.121	.088	.08	.076
544825CG	SR151C102KAA	1000pF	100	3.8x2.5x3.8x5.1	*	.087	.069	.043	.041
332620CG	MOC1000/100	1000pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.041
544841CG	SR151C222KAA	2200pF	100	3.8x2.5x3.8x5.1	*	.104	.094	.074	.071
544850CG	SR151C472KAA	4700pF	100	3.8x2.5x3.8x5.1	*	.114	.102	.081	.078
332638CG	MOC4700/100	4700pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.052
597281CG	SR211C103KAA	.01μF	100	3.8x2.5x3.8x5.1	*	.118	.098	.046	.044
544833CG	SR151C103KAA	.01μF	100	3.8x2.5x3.8x5.1	*	.103	.088	.054	.053

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing				
					1	10	100	1000	5000
332646CG	MOC10000/100	.01μF	100	5.0x5.0x3.0x2.5	*	\$0.125	\$0.09	\$0.063	\$0.06
544892CG	SR211C223KAA	.022μF	100	3.8x2.5x3.8x5.1	*	.137	.13	.104	.10
332654CG	MOC22000/100	.022μF	100	5.0x5.0x3.0x2.5	*	.111	.08	.056	.053
544905CG	SR211C333KAA	.033μF	100	3.8x2.5x3.8x5.1	*	.142	.13	.105	.097
544913CG	SR211C473KAA	.047μF	100	3.8x2.5x3.8x5.1	*	.142	.139	.11	.107
332662CG	MOC47000/100	.047μF	100	5.0x5.0x3.0x2.5	*	.142	.104	.073	.069
544921CG	SR215C104KAA	.1μF	50	3.8x2.5x3.8x5.1	*	.111	.088	.057	.054
544884CG	SR211C104KAA	.1μF	100	3.8x2.5x3.8x5.1	*	.127	.09	.057	.056
332672CG	MOC100000/100	.1μF	100	5.0x5.0x3.0x2.5	*	.132	.096	.067	.064
332689CG	MOC150000/100	.15μF	50	5.0x5.0x3.0x2.5	.45	.405	.344	.275	.206
544948CG	SR305C474KAA	.47μF	50	3.8x2.5x3.8x5.1	.46	.396	.24	.232	.224

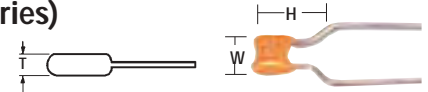
 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Monolithic Ceramic Capacitors (±20%) (Z5U Series)

Applications: • Data processing • Communications engineering
Operating temp. range: -10°C to +85°C * Prepackaged: order in increments of 10, 100 or 1000

Quantity SAVE



* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing				
					1	10	100	1000	5000
81542CG	MD10	10pF	50	3.5x2.0x3.0x2.5	* \$1.10	\$0.065	\$0.045	\$0.034	
332523CG	MOC10/100	10pF	100	4.2x3.0x4.2x2.5	* .089	.065	.046	.035	
332531CG	MOC15/100	15pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.076
81535CG	MD22	22pF	50	4.0x2.0x4.0x2.5	* .105	.081	.05	.045	
332541CG	MOC22/100	22pF	100	4.2x3.0x4.2x2.5	* .10	.073	.051	.048	
332558CG	MOC33/100	33pF	100	4.2x3.0x4.2x2.5	* .167	.122	.08	.076	
332567CG	MOC47/100	47pF	100	4.2x3.0x4.2x2.5	.20	.118	.086	.06	.057
332574CG	MOC68/100	68pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.076
81526CG	MD100	100pF	50	3.5x2.0x3.0x2.5	* .058	.042	.036	.034	
81518CG	MD.001	.001µF	50	4.5x2.0x3.0x2.5	* .10	.078	.075	.068	
138182CG	MD.0022	.0022µF	50	4.0x2.0x5.5x2.5	* .078	.067	.055	.041	

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing				
					1	10	100	1000	5000
25508CG	MD.01	.01µF	50	3.5x2.0x3.0x2.5	* \$0.09	\$0.06	.045	\$0.041	
57622CG	MD.047	.047µF	50	2.5x2.5x3.0x2.5	* .08	.07	.05	.039	
544868CG	SR151C472KAA	.1µF	50	3.8x2.5x4.0x2.5	* .094	.06	.034	.032	
25524CG	MD.1	.1µF	50	3.4x2.2x3.6x2.5	* .078	.067	.044	.039	
25541CG	MD.22	.22µF	50	6.0x2.0x4.5x2.5	* .189	.133	.089	.066	
544930CG	SR215E334MAA	.33µF	50	3.8x2.5x3.8x5.1	* .174	.111	.087	.081	
138238CG	MD.33	.33µF	50	6.0x2.0x8.0x2.5	* .178	.155	.122	.078	
25559CG	MD.47	.47µF	50	4.5x2.5x4.5x2.5	.43	.39	.28	.21	.145
544956CG	SR305E105MAA	1µF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510CG	MD1	1µF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233

Other Manufacturers — Great Deals*

81541CG	MD10	10pF	50	3.5x2.0x3.0	* \$0.057	\$0.042	\$0.029	\$0.022	
81533CG	MD22	22pF	50	4.0x2.0x4.0	* .095	.073	.045	.04	
81525CG	MD100	100pF	50	3.5x2.0x3.0	* .058	.042	.029	.022	
81517CG	MD.001	.001µF	50	4.5x2.0x3.0	* .06	.053	.026	.021	
138181CG	MD.0022	.0022µF	50	4.0x2.0x5.5	* .07	.06	.05	.04	
138202CG	MD.0047	.0047µF	50	5.0x2.0x5.5	* .07	.063	.05	.038	
25507CG	MD.01	.01µF	50	3.5x2.0x3.0	* .10	.067	.05	.045	

* Capacitor dimensions and style may vary Blue Part No. = Limited Quantity Available

Motor Capacitors

Operating temp.: -25°C to +85°C • Metal or plastic shell and double welding sheet metal • Insulation resistance: >300MΩ • Quick connect



Motor Running Capacitors

Quantity SAVE

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing			
					1	10	100	500
332793CG	MRC370V2	2µF	370	34 x 50	\$3.69	\$3.42	\$2.98	\$2.23
332806CG	MRC370V4	4µF	370	34 x 50	5.05	4.80	4.33	3.25
332814CG	MRC370V5	5µF	370	34 x 50	3.85	3.47	2.78	2.09
332822CG	MRC370V7R5	7.5µF	370	36 x 80	5.89	3.96	3.38	2.54
332831CG	MRC370V10	10µF	370	42 x 80	4.85	4.06	3.46	2.60
332849CG	MRC370V15	15µF	370	40 x 70	6.05	5.07	4.38	3.29
332857CG	MRC370V25	25µF	370	40 x 70	8.05	6.76	5.83	4.37
332865CG	MRC440V10	10µF	440	40 x 70	6.49	5.47	4.72	3.54
332873CG	MRC440V20	20µF	440	40 x 70	9.99	8.51	7.27	5.45

Motor Starting Capacitors

Lower \$\$\$

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing			
					1	10	100	500
332697CG	MSC125V21	21µF	125	37 x 70	\$2.29	\$2.06	\$1.64	\$1.49
332700CG	MSC125V124	124µF	125	37 x 70	2.35	2.11	1.69	1.66
332718CG	MSC125V161	161µF	125	37 x 70	2.55	2.37	2.06	1.78
332726CG	MSC125V189	189µF	125	37 x 70	2.69	2.50	2.17	2.07
332734CG	MSC125V216	216µF	125	37 x 86	3.25	2.93	2.64	2.38
332742CG	MSC125V270	270µF	125	37 x 86	3.59	3.41	3.24	2.67
332751CG	MSC125V590	590µF	125	46 x 111	6.15	5.84	5.55	4.73
332769CG	MSC250V21	21µF	250	37 x 70	2.95	2.80	2.66	2.00
332777CG	MSC250V30	30µF	250	37 x 70	3.09	2.94	2.90	2.18
332785CG	MSC250V53	53µF	250	46 x 86	3.85	3.25	3.02	2.67

Surface Mount Capacitors

Aluminum Electrolytic Capacitors

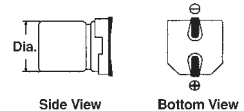


Tape

Individual

Leakage Current (20°C) after 2 minutes ≤ .01CV or 3µA

Operating Temperature Range: -40°C to +85°C



Side View

Bottom View

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610802CG	UWX1H0R1MCL1GB	0.1	50	4.0	* \$1.108	\$0.096	\$0.091	
610811CG	UWX1H0R1MCL2GB	0.1	50	3.0	* .108	.096	.091	
610829CG	UWX1HR22MCL1GB	0.22	50	4.0	* .108	.096	.091	
610837CG	UWX1HR22MCL2GB	0.22	50	3.0	* .108	.096	.091	
610845CG	UWX1HR33MCL1GB	0.33	50	4.0	* .108	.096	.091	
610853CG	UWX1HR33MCL2GB	0.33	50	3.0	* .108	.096	.091	
610861CG	UWX1HR47MCL1GB	0.47	50	4.0	* .108	.096	.091	
610870CG	UWX1HR47MCL2GB	0.47	50	3.0	* .108	.096	.091	
610888CG	UWX1V2R2MCL2GB	2.2	35	4.0	* .103	.096	.088	
610896CG	UWX1V3R3MCL2GB	3.3	35	4.0	* .103	.096	.088	
610909CG	UWX1V4R7MCL1GB	4.7	35	4.0	* .103	.096	.088	

† Cross Reference: Panasonic: VS Series

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610706CG	UWX0G220MCL2GB	22	4	3.0	* \$1.108	\$0.096	\$0.091	
610773CG	UWX1A220MCL1GB	22	10	4.0	* .103	.096	.091	
610722CG	UWX0G330MCL1GB	33	4	4.0	* .108	.096	.091	
610749CG	UWX0J330MCL1GB	33	6.3	4.0	* .113	.096	.091	
610781CG	UWX1A330MCL1GB	33	10	4.0	* .113	.096	.091	
610731CG	UWX0G470MCL1GB	47	4	4.0	* .108	.096	.091	
610757CG	UWX0J470MCL1GB	47	6.3	5.0	* .108	.096	.091	
610790CG	UWX1A470MCL1GB	47	10	5.0	* .113	.096	.091	
610693CG	UWX0G101MCL1GB	100	4	5.0	* .113	.096	.091	
610765CG	UWX1A101MCL1GB	100	10	6.3	* .113	.096	.091	
610714CG	UWX0G221MCL1GB	220	4	6.3	* .146	.136	.104	

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Tape

Aluminum Electrolytic Capacitors (Continued)

Operating Temperature Range: -40°C to +85°C

SALE

Individual



Other Manufacturers — Great Deals*

* Prepackaged: order in increments of 10, 100 or 500								
Part No.	Cross Ref. No.↑	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
193228CG	SE1/50	1	50	4.0	*	\$.137	\$.109	\$.081
193236CG	SE2.2/50	2.2	50	4.0	*	.097	.088	.079
193244CG	SE3.3/50	3.3	50	4.0	*	.097	.088	.079
193076CG	SE427/25⊕	4.7	25	4.0	*	.131	.104	.078
193252CG	SE4.7/50	4.7	50	5.0	*	.11	.096	.087
192997CG	SE10/16	10	16	4.0	*	.14	.12	.09
193084CG	SE10/25	10	25	5.0	*	.11	.097	.087
193164CG	SE10/35	10	35	5.0	*	.099	.09	.082
193261CG	SE10/50	10	50	6.3	*	.23	.168	.126
193009CG	SE22/16	22	16	5.0	*	.12	.11	.10
193092CG	SE22/25	22	25	6.3	*	.12	.111	.099
193172CG	SE22/35	22	35	6.3	*	.099	.09	.082
193279CG	SE22/50	22	50	6.3	*	.16	.155	.09
193017CG	SE33/16	33	16	5.0	*	.13	.118	.106
193105CG	SE33/25	33	25	6.3	*	.14	.129	.116
193181CG	SE33/35	33	35	8.0	*	.14	.13	.12
193287CG	SE33/50⊕	33	50	8.0	.24	.22	.20	.18
193113CG	SE47/25	47	25	6.3	*	.136	.122	.11
193199CG	SE47/35	47	35	6.3	*	.099	.089	.08

† Cross Reference: Panasonic: VS Series

* Capacitor dimensions and styles may vary.

* Prepackaged: order in increments of 10, 100 or 500								
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
193295CG	SE47/50	47	50	10.0	\$.27	\$.25	\$.23	\$.21
192903CG	SE100/6.3	100	6.3	6.3	.20	.17	.135	.09
193033CG	SE100/16	100	16	8.0	.25	.222	.20	.18
193121CG	SE100/25	100	25	8.0	*	.136	.122	.11
193201CG	SE100/35	100	35	10.0	.23	.20	.19	.17
193308CG	SE100/50	100	50	10.0	.38	.358	.322	.29
192962CG	SE220/10	220	10	8.0	.25	.24	.22	.20
193041CG	SE220/16	220	16	8.0	.34	.302	.272	.245
193130CG	SE220/25	220	25	10.0	.45	.40	.36	.33
193316CG	SE220/50	220	50	10.0	.36	.334	.267	.24
193148CG	SE330/25	330	25	8.0	.29	.24	.22	.20
192920CG	SE470/6.3	470	6.3	8.0	.25	.21	.18	.17
192971CG	SE470/10	470	10	8.0	.25	.23	.21	.19
193068CG	SE470/16	470	16	10.0	.44	.396	.317	.238
193156CG	SE470/25	470	25	10.0	.55	.47	.42	.39
192938CG	SE1000/6.3	1000	6.3	10.0	.35	.30	.28	.25
192989CG	SE1000/10	1000	16	10.0	.39	.35	.32	.29
192946CG	SE1500/6.3	1500	6.3	10.0	.35	.31	.29	.26

‡ Blue Part No. = Limited Quantity Available





Operating Temperature Range: -55°C to +105°C

ValuePro		* Prepackaged: order in increments of 10, 100 or 500						
Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610431CG	UWT1HOR1MCL1GB	0.1	50	4.0	*	\$.116	\$.108	\$.098
610546CG	UWT1HR22MCL1GB	0.22	50	4.0	*	.116	.108	.098
610562CG	UWT1HR33MCL1GB	0.33	50	4.0	*	.116	.108	.098
610589CG	UWT1HR47MCL1GB	0.47	50	4.0	*	.116	.108	.098
610423CG	UWT1H010MCL2GB	1	50	4.0	*	.116	.108	.098
608631CG	UUD1H010MCL1GS	1	50	4.0	.42	.367	.343	.29
610634CG	UWT1V2R2MCL2GB	2.2	35	4.0	*	.116	.108	.098
610491CG	UWT1H2R2MCL1GB	2.2	50	4.0	*	.116	.108	.098
608665CG	UUD1H2R2MCL1GS	2.2	50	4.0	.42	.367	.343	.29
610669CG	UWT1V3R3MCL2GB	3.3	35	4.0	*	.134	.12	.098
608681CG	UUD1H3R3MCL1GS	3.3	50	4.0	.42	.367	.343	.29
610407CG	UWT1E4R7MCL1GB	4.7	25	4.0	*	.116	.108	.08
610685CG	UWT1V4R7MCL1GB	4.7	35	4.0	*	.149	.12	.098
608788CG	UUD1V4R7MCL1GS	4.7	35	4.0	.42	.367	.343	.29
610538CG	UWT1H4R7MCL1GB	4.7	50	5.0	*	.149	.139	.118
608702CG	UUD1H4R7MCL1GS	4.7	50	4.0	.47	.403	.386	.325
610263CG	UWT1C100MCL1GB	10	16	4.0	*	.116	.108	.098
610343CG	UWT1E100MCL1GB	10	25	5.0	.20	.164	.144	.096
610600CG	UWT1V100MCL1GB	10	35	5.0	.20	.164	.144	.096
608729CG	UUD1V100MCL1GS	10	35	5.0	.47	.413	.386	.326
610458CG	UWT1H100MCL1GB	10	50	6.3	.20	.164	.152	.096
608649CG	UUD1H100MCL1GS	10	50	6.3	.51	.431	.408	.352
610108CG	UWT0G220MCL1GB	22	4	4.0	*	.116	.108	.098
610167CG	UWT0J220MCL1GB	22	6.3	4.0	*	.116	.108	.098
610239CG	UWT1A220MCL1GB	22	10	4.0	*	.149	.139	.118
608489CG	UUD1A220MCL1GS	22	10	4.0	.42	.367	.343	.29
610298CG	UWT1C220MCL1GB	22	16	5.0	.20	.167	.144	.096
610351CG	UWT1E220MCL1GB	22	25	5.0	.20	.177	.152	.096
608577CG	UUD1E220MCL1GS	22	25	22.0	.47	.413	.386	.326
610618CG	UWT1V220MCL1GB	22	35	6.3	.20	.177	.152	.096
608745CG	UUD1V220MCL1GS	22	35	5.0	.47	.403	.386	.325
610474CG	UWT1H220MCL1GB	22	50	6.3	.26	.213	.184	.148
610124CG	UWT0G330MCL1GB	33	4	4.0	*	.116	.108	.103
610183CG	UUD0J330MCL1GB	33	6.3	4.0	*	.116	.108	.103
610247CG	UWT1A330MCL1GB	33	10	5.0	*	.149	.139	.118

† Cross Reference: Panasonic: VS Series

* Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
608497CG	UUD1A330MCL1GS	33	10	5.0	\$.47	\$.413	\$.386	\$.326
610319CG	UWT1C330MCL1GB	33	16	5.0	.20	.167	.152	.096
610360CG	UWT1E330MCL1GB	33	25	6.3	.20	.187	.152	.096
608585CG	UUD1E330MCL1GS	33	25	6.3	.51	.447	.418	.352
610642CG	UWT1V330MCL1GB	33	35	6.3	.26	.213	.184	.12
608753CG	UUD1V330MCL1GS	33	35	6.3	.51	.447	.418	.352
610511CG	UWT1H330MCL1GS	33	50	6.3	.27	.213	.199	.104
610204CG	UWT0J470MCL1GB	47	6.3	5.0	*	.136	.127	.118
608446CG	UUD0J470MCL1GS	47	6.3	5.0	.47	.413	.386	.326
610255CG	UWT1A470MCL1GB	47	10	5.0	.20	.164	.152	.096
610335CG	UWT1C470MCL1GB	47	16	6.3	.20	.177	.152	.096
608534CG	UUD1C470MCL1GS	47	16	6.3	.51	.447	.418	.352
610386CG	UWT1E470MCL1GB	47	25	6.3	.26	.213	.184	.148
608606CG	UUD1E470MCL1GS	47	25	6.3	.51	.447	.418	.352
610677CG	UWT1V470MCL1GS	47	35	6.3	.27	.213	.199	.168
608770CG	UUD1V470MCL1GS	47	35	6.3	.51	.431	.408	.352
610520CG	UWT1H470MCL1GS	47	50	6.3	.27	.253	.239	.225
608518CG	UUD1A680MCL1GS	68	10	—	.51	.447	.418	.352
608542CG	UUD1C680MCL1GS	68	16	6.3	.51	.447	.418	.352
608622CG	UUD1E680MCL1GS	68	25	6.3	.51	.447	.418	.352
608796CG	UUD1V680MCL1GS	68	35	6.3	.54	.472	.442	.224
608711CG	UUD1H680MCL1GS	68	50	8.0	.65	.57	.53	.269
610095CG	UWT0G101MCL1GB	100	4	6.3	*	.146	.137	.118
608403CG	UUD0J101MCL1GS	100	6.3	6.3	.51	.447	.418	.352
610132CG	UWT0J101MCL1GB	100	6.3	6.3	*	.146	.137	.118
608462CG	UUD1A101MCL1GS	100	10	—	.51	.447	.418	.352
610280CG	UWT1C101MCL1GB	100	16	7.0	.20	.177	.152	.096
608569CG	UUD1E101MCL1GS	100	25	6.3	.54	.472	.442	.224
608737CG	UUD1V101MCL1GS	100	35	8.0	.65	.57	.53	.269
610466CG	UWT1H101MCL1GS	100	50	8.0	.33	.257	.24	.158
608657CG	UUD1H101MCL1GS	100	50	8.0	.62	.518	.492	.269
610116CG	UWT0G221MCL1GB	220	4	6.3	.26	.213	.184	.12
610175CG	UWT0J221MCL1GB	220	6.3	6.3	.22	.213	.16	.128
608438CG	UUD0J221MCL1GS	220	6.3	6.3	.51	.447	.418	.352
608526CG	UUD1C221MCL1GS	220	16	6.3	.54	.472	.442	.224

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Tape

Individual

Aluminum Electrolytic Capacitors

Leakage Current (20°C) after 2 minutes ≤ .01CV or 3μA



Side View



Bottom View

Operating Temperature Range: -55°C to +105°C (Continued)

Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610301CG	UWT1C221MCL1GS	220	16	6.3	\$.27	\$.213	\$.199	\$.104
610626CG	UWT1V221MNL1GS	220	35	8.0	.34	.321	.248	.158
610482CG	UWT1H221MNL1GS	220	50	10.0	.43	.331	.31	.158
610191CG	UWTOJ331MCL1GS	330	6.3	6.3	.27	.213	.199	.122
610327CG	UWT1C331MNL1GS	330	16	8.0	.33	.257	.24	.158
610378CG	UWT1E331MNL1GS	330	25	8.0	.33	.257	.24	.158
610651CG	UWT1V331MNL1GS	330	35	10.0	.43	.331	.31	.272
608761CG	UUD1V331MNL1GS	330	35	10.0	.70	.61	.57	.289
610212CG	UWTOJ471MNL1GS	470	6.3	8.0	.33	.257	.24	.158
608500CG	UUD1A471MNL1GS	470	10	8.0	.65	.57	.53	.269

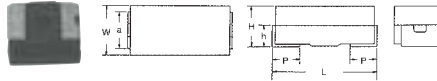
Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
610394CG	UWT1E471MNL1GS	470	25	10.0	\$.43	\$.331	\$.31	\$.158
608614CG	UUD1E471MNL1GS	470	25	10.0	.70	.61	.57	.289
610221CG	UWTOJ681MNL1GS	680	6.3	8.0	.33	.257	.24	.158
608454CG	UUD0J681MNL1GS	680	6.3	8.0	.65	.57	.53	.269
608551CG	UUD1C681MNL1GS	680	16	10.0	.70	.61	.57	.289
610141CG	UWTOJ102MNL1GS	1000	6.3	8.0	.33	.257	.24	.158
608411CG	UUD0J102MNL1GS	1000	6.3	8.0	.65	.57	.53	.269
608471CG	UUD1A102MNL1GS	1000	10	10.0	.68	.58	.55	.289
610159CG	UWTOJ152MNL1GS	1500	6.3	10.0	.43	.331	.31	.155
608420CG	UUD0J152MNL1GS	1500	6.3	10.0	.70	.61	.57	.289

† Cross Reference: Panasonic: VS Series

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

Case Size (Dimensions in mm)

EIA	L	W	H	P	a	h(min)
Case Code	±0.2	±0.2	±0.2	±0.3	±0.2	
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0



JAMECO ValuePro		6.3V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
597311CG	10μF	A	\$.38	\$.307	\$.292	\$.278	
545027CG	10μF	A	.275	.243	.194	.119	

JAMECO ValuePro		10V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
545078CG	4.7μF	A	\$.134	\$.129	\$.122	\$.092	
597329CG	4.7μF	A	.38	.307	.292	.278	
545086CG	6.8μF	A	.266	.232	.219	.182	
597302CG	10μF	A	.323	.288	.255	.213	
545035CG	10μF	A	.172	.153	.138	.103	
545115CG	15μF	A	.326	.307	.30	.274	
545203CG	47μF	B	.444	.408	.367	.365	
545297CG	100μF	C	.73	.64	.55	.538	
545422CG	100μF	D	2.14	1.93	1.15	1.12	
545473CG	150μF	D	1.89	1.70	1.03	1.00	
597441CG	220μF	D	4.05	3.39	2.72	2.59	
545369CG	220μF	D	1.84	1.63	.87	.85	

JAMECO ValuePro		16V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
544981CG	0.1μF	A	\$.19	\$.169	\$.154	\$.147	
545043CG	2.2μF	A	.247	.216	.185	.154	
545051CG	3.3μF	A	.134	.129	.122	.092	
545174CG	4.7μF	B	.272	.242	.221	.213	
597337CG	10μF	B	.56	.504	.405	.365	
545140CG	10μF	B	.168	.161	.152	.145	
545211CG	10μF	C	.326	.289	.138	.136	
597345CG	22μF	B	.475	.384	.365	.347	
545166CG	22μF	B	.208	.207	.206	.205	
545300CG	22μF	C	.60	.532	.327	.311	
597353CG	47μF	C	.99	.94	.75	.73	
545271CG	47μF	C	.60	.513	.295	.287	
597417CG	47μF	D	1.52	1.43	.88	.86	
545393CG	47μF	D	.57	.502	.29	.258	
597425CG	100μF	E	3.91	3.03	2.44	2.32	
545449CG	100μF	D	1.64	1.54	1.24	1.20	

JAMECO ValuePro		50V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
544972CG	0.1μF	A	\$.516	\$.456	\$.365	\$.304	
545414CG	6.8μF	D	1.80	1.63	1.55	1.51	

JAMECO ValuePro		20V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
544999CG	0.1μF	A	\$.237	\$.208	\$.194	\$.173	
545060CG	3.3μF	A	.285	.248	.231	.14	
545220CG	10μF	C	.316	.28	.148	.141	
597409CG	33μF	D	1.52	1.43	.88	.86	
545377CG	33μF	D	.516	.456	.26	.258	
545553CG	68μF	D	4.66	3.21	1.98	1.88	

JAMECO ValuePro		25V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
545001CG	1μF	A	\$.247	\$.216	\$.203	\$.186	
545289CG	10μF	C	.60	.532	.258	.251	
597396CG	22μF	D	1.52	1.43	.88	.86	
545342CG	22μF	D	.57	.502	.26	.258	
545406CG	47μF	D	2.37	2.07	1.15	1.12	
545545CG	33μF	D	3.35	2.41	1.94	1.85	

JAMECO ValuePro		35V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
544964CG	0.1μF	A	\$.314	\$.302	\$.288	\$.216	
597290CG	1μF	A	.344	.304	.243	.20	
545131CG	1μF	B	.272	.242	.221	.203	
545158CG	2.2μF	B	.405	.39	.382	.374	
545254CG	2.2μF	C	.378	.334	.162	.158	
545262CG	3.3μF	C	.313	.284	.266	.20	
545385CG	4.7μF	D	.541	.491	.472	.449	
545238CG	10μF	C	.406	.369	.329	.328	
545326CG	10μF	D	.60	.532	.30	.298	
597388CG	15μF	D	1.52	1.43	.88	.86	
545334CG	15μF	D	.66	.60	.33	.328	
597433CG	22μF	D	3.95	3.12	2.51	2.39	
545351CG	22μF	D	1.32	1.17	.56	.545	

* Prepackaged: order in quantity increments shown

Lowest Price Guarantee

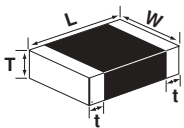
Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)

• Case sizes and photos are same as above

JAMECO ValuePro		10V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
87021CG	10μF	B	\$.19	\$.15	\$.135	\$.101	
597370CG	10μF	D	1.64	1.45	.69	.67	
87119CG	100μF	D	.92	.88	.83	.80	
Other Manufacturers — Great Deals							
87020CG	10μF	B	\$.203	\$.15	\$.136	\$.102	
87118CG	100μF	D	.80	.76	.73	.69	

JAMECO ValuePro		16V SMT		Pricing per each*			
Part No.	Capacitance	Case Size		10	100	500	1000
86933CG	1μF	A	\$.13	\$.11	\$.073	\$.066	
545246CG	10μF	C	.275	.243	.138	.136	
87039CG	10μF	C	.32	.29	.25	.23	
87101CG	47μF	D	1.01	.90	.80	.70	
Other Manufacturers — Great Deals							
86932CG	1μF	A	\$.148	\$.133	\$.107	\$.08	
87038CG	10μF	C	.27	.24	.22	.18	
87100CG	47μF	D	.73	.70	.66	.63	



Multilayer Ceramic Chip Capacitors

X7R Series (±10%)

JAMECO 0402 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543751CG	560pF	50	\$.078	\$.064	\$.061	\$.058
543734CG	1000pF	50	.087	.051	.03	.021
543769CG	.01µF	50	.088	.059	.048	.033
Other Manufacturers — Great Deals						
646485CG	330pF	50	\$.231	\$.137	\$.079	\$.056
646493CG	390pF	50	.077	.046	.026	.018
646506CG	470pF	50	.231	.133	.079	.055
646514CG	560pF	50	.077	.046	.026	.018
646522CG	680pF	50	.077	.046	.026	.018
646531CG	820pF	50	.077	.046	.026	.018
646549CG	1000pF	50	.077	.046	.026	.018
646557CG	1200pF	50	.077	.046	.026	.018
646565CG	1500pF	50	.231	.137	.079	.055
646573CG	1800pF	50	.231	.137	.079	.055
646581CG	2200pF	50	.193	.114	.065	.046
646590CG	2700pF	50	.231	.137	.079	.055
646602CG	3300pF	50	.077	.046	.026	.018
646611CG	3900pF	50	.231	.137	.079	.055
646629CG	4700pF	50	.077	.046	.026	.018
646637CG	5600pF	50	.154	.091	.053	.036
646645CG	6800pF	50	.154	.091	.053	.036
646653CG	8200pF	50	.154	.091	.053	.036
646661CG	.01µF	16	.077	.046	.026	.018
646670CG	.012µF	16	.077	.046	.026	.018
646688CG	.015µF	16	.077	.046	.026	.018
646696CG	.018µF	16	.077	.046	.026	.018
646709CG	.022µF	16	.077	.046	.026	.018

JAMECO 0603 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544083CG	470pF	16	\$.095	\$.055	\$.04	\$.034
544041CG	1000pF	50	.074	.047	.024	.017
543831CG	1000pF	100	.087	.052	.03	.021
543857CG	2200pF	100	.165	.099	.04	.024
543865CG	3300pF	100	.15	.088	.04	.024
543873CG	4700pF	25	.126	.099	.057	.04
544059CG	.01µF	50	.079	.047	.024	.017
543849CG	.01µF	100	.279	.184	.123	.086
544067CG	.015µF	50	.087	.045	.03	.021
544075CG	.022µF	50	.087	.046	.037	.021
543881CG	.047µF	25	.091	.06	.054	.042
544091CG	.1µF	16	.079	.047	.024	.017
Other Manufacturers — Great Deals						
649483CG	1000pF	50	\$.062	\$.036	\$.021	\$.015
649491CG	1200pF	50	.077	.046	.026	.018
649504CG	1500pF	50	.077	.046	.026	.018
649512CG	1800pF	50	.077	.046	.026	.018
649521CG	2200pF	50	.077	.046	.026	.018
649539CG	2700pF	50	.077	.046	.026	.018
649547CG	3300pF	50	.154	.091	.053	.036
649555CG	3900pF	50	.063	.046	.026	.018
649563CG	4700pF	50	.131	.077	.045	.031
649571CG	5600pF	50	.077	.046	.026	.018
649580CG	6800pF	50	.112	.087	.05	.035
649598CG	8200pF	50	.077	.046	.026	.018
649601CG	.01µF	50	.062	.036	.021	.015
649619CG	.012µF	50	.077	.046	.026	.018
649627CG	.015µF	50	.077	.046	.026	.018
649635CG	.018µF	50	.077	.046	.026	.018

0603 SMT (Continued)		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
649643CG	.022µF	50	\$.077	\$.046	\$.026	\$.018
649651CG	.027µF	50	.077	.046	.026	.018
649660CG	.033µF	50	.077	.046	.026	.018
649678CG	.039µF	50	.077	.046	.026	.018

JAMECO 0805 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544323CG	1000pF	50	\$.079	\$.051	\$.03	\$.021
544235CG	1000pF	200	.21	.20	.17	.146
544201CG	2200pF	100	.087	.051	.03	.021
544227CG	3300pF	100	.087	.052	.03	.021
544382CG	4700pF	50	.071	.051	.03	.021
87313CG	.01µF	50	.048	.029	.017	.01
544198CG	.01µF	100	.087	.051	.03	.021
544331CG	.01µF	50	.071	.051	.03	.021
544219CG	.022µF	100	.19	.125	.072	.037
544366CG	.033µF	50	.119	.104	.06	.042
544374CG	.039µF	50	.087	.051	.03	.021
544391CG	.047µF	50	.087	.051	.03	.021
544403CG	.068µF	50	.087	.051	.03	.021
544462CG	.1µF	16	.257	.24	.15	.073
87371CG	.1µF	25	.054	.033	.022	.016
544340CG	.1µF	50	.087	.051	.03	.021
544438CG	.22µF	16	.13	.077	.045	.031
544243CG	.22µF	25	.174	.104	.06	.042
544358CG	.22µF	50	.087	.051	.03	.021
544446CG	.33µF	16	.348	.208	.12	.084
544454CG	.47µF	16	.348	.208	.12	.084
544471CG	.1µF	10	.388	.376	.304	.178
Other Manufacturers — Great Deals						
650257CG	3300pF	50	\$.077	\$.046	\$.026	\$.018
650265CG	3900pF	50	.07	.056	.053	.036
650273CG	4700pF	50	.07	.046	.026	.018
650281CG	5600pF	50	.154	.091	.053	.036
650290CG	6800pF	50	.154	.091	.053	.036
650302CG	8200pF	50	.162	.096	.055	.038
87311CG	.01µF	50	.047	.028	.016	.009
650311CG	.012µF	50	.077	.046	.026	.018
650329CG	.015µF	50	.119	.091	.053	.036
650337CG	.018µF	50	.154	.091	.053	.036
650345CG	.022µF	50	.077	.046	.026	.018
650353CG	.027µF	50	.077	.046	.026	.018
650361CG	.033µF	50	.105	.091	.053	.036
650370CG	.039µF	50	.077	.046	.026	.018
650388CG	.047µF	50	.077	.046	.026	.018
650396CG	.056µF	50	.077	.046	.026	.018
650409CG	.068µF	50	.077	.046	.026	.018
650417CG	.082µF	50	.077	.046	.026	.018
87370CG	.1µF	25	.048	.033	.022	.016
650425CG	.1µF	50	.077	.046	.026	.018
650441CG	.22µF	16	.116	.068	.039	.027
650450CG	.33µF	16	.182	.105	.073	.066
650468CG	.47µF	16	.182	.105	.073	.066
650476CG	.1µF	10	.329	.263	.182	.164

* Prepackaged: order in quantity increments shown

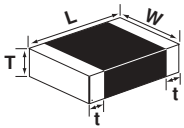
Surface Mount Capacitors

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

JAMECO 1206 SMT		Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544585CG	1000pF	100	\$.158	\$.144	\$.087	\$.037
544614CG	2000pF	100	.158	.144	.087	.035
544649CG	4700pF	100	.158	.144	.087	.035
87330CG	.01µF	50	.078	.047	.033	.024
544593CG	.01µF	100	.10	.085	.067	.05
544622CG	.022µF	100	.158	.144	.09	.031
544631CG	.033µF	100	.158	.144	.12	.035
544657CG	.047µF	100	.158	.144	.12	.035
544702CG	.1µF	50	.113	.097	.06	.042
87390CG	.1µF	50	.084	.055	.038	.037
544606CG	.1µF	100	.209	.182	.105	.073
87397CG	.22µF	25	.131	.094	.066	.059
544711CG	.22µF	50	.261	.156	.09	.062
544729CG	.33µF	50	.352	.312	.182	.087
544673CG	.47µF	25	.435	.26	.15	.105
544665CG	.1µF	25	.348	.208	.12	.084

Other Manufacturers — Great Deals						
651137CG	1000pF	50	\$.14	\$.125	\$.072	\$.05
651145CG	1200pF	50	.212	.125	.072	.05
651153CG	1500pF	50	.212	.125	.072	.05
651161CG	1800pF	50	.212	.125	.072	.05
651170CG	2200pF	50	.154	.125	.072	.05
651188CG	3300pF	50	.14	.125	.072	.05
651196CG	3900pF	50	.212	.125	.072	.05
651209CG	4700pF	50	.14	.13	.092	.064
651217CG	5600pF	50	.212	.125	.072	.05
651225CG	6800pF	50	.126	.105	.072	.05
651233CG	8200pF	50	.212	.125	.072	.05
87329CG	⊕ .01µF	50	.074	.047	.031	.022
651241CG	.012µF	50	.223	.132	.076	.053
651250CG	.015µF	50	.223	.132	.076	.053
651268CG	.018µF	50	.223	.132	.076	.053
651276CG	.022µF	50	.161	.132	.076	.053
651284CG	.027µF	50	.161	.132	.076	.053
651292CG	.033µF	50	.14	.126	.076	.053
651305CG	.039µF	50	.223	.132	.076	.053
651313CG	.047µF	50	.14	.126	.076	.053
651321CG	.056µF	50	.246	.146	.084	.058
651330CG	.068µF	50	.246	.146	.084	.058
651348CG	.082µF	50	.246	.146	.084	.058
87388CG	.1µF	50	.049	.029	.019	.016
651356CG	.12µF	50	.231	.137	.079	.055
651364CG	.15µF	50	.231	.137	.079	.055
651372CG	.18µF	50	.231	.137	.079	.055
87396CG	⊕ .22µF	25	.131	.095	.066	.05
651381CG	.22µF	50	.231	.137	.079	.055
651399CG	.27µF	50	.182	.105	.073	.066
651401CG	.33µF	50	.306	.281	.164	.114
651410CG	.47µF	50	.228	.131	.091	.082
651436CG	1µF	16	.399	.26	.18	.162
651428CG	1µF	25	.182	.105	.073	.066
651444CG	2.2µF	10	.55	.315	.218	.196



Multilayer Ceramic Chip Capacitors

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

X7R Series (±10%) (Continued)

JAMECO ValuePro	1210 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544770CG	1µF	50	\$.238	\$.224	\$.194	\$.13
544761CG	1µF	100	.238	.224	.15	.104
544788CG	.22µF	50	.323	.304	.188	.131
544796CG	.47µF	50	.63	.57	.334	.163
Other Manufacturers — Great Deals						
651612CG	.1µF	50	\$.224	\$.196	\$.176	\$.112
651639CG	.22µF	50	.27	.16	.11	.10
651647CG	.33µF	50	.46	.29	.20	.18
651655CG	.47µF	50	.50	.29	.20	.18
651663CG	1µF	50	.57	.46	.32	.29
651671CG	2.2µF	25	1.34	.93	.534	.481
651680CG	4.7µF	16	1.15	.92	.59	.53
651701CG	4.7µF	25	1.31	.78	.45	.405
651698CG	10µF	10	1.21	.70	.33	.30

JAMECO ValuePro	1812 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544817CG	1µF	50	\$ 1.40	\$ 1.32	\$.77	\$.372

COG Series (±5%)

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543785CG	10pF	100	\$.165	\$.099	\$.057	\$.04
543806CG	22pF	100	.087	.052	.03	.021
543814CG	33pF	100	.087	.052	.03	.021
543793CG	100pF	100	.087	.052	.03	.021
543988CG	270pF	50	.087	.052	.03	.021
544008CG	330pF	50	.131	.104	.06	.042
543822CG	680pF	100	.087	.052	.029	.025

JAMECO ValuePro	0805 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544121CG	10pF	100	\$.079	\$.071	\$.06	\$.042
544155CG	15pF	100	.134	.104	.06	.042
544286CG	270pF	50	.134	.104	.06	.042
544294CG	330pF	50	.087	.051	.03	.021
544307CG	470pF	50	.104	.062	.036	.025
544315CG	680pF	50	.15	.104	.06	.042
544260CG	1000pF	50	.169	.154	.15	.146
544147CG	1000pF	100	.19	.156	.09	.062
544278CG	2200pF	50	.235	.14	.081	.056

JAMECO ValuePro	1206 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544551CG	330pF	100	\$.19	\$.176	\$.144	\$.122
544681CG	1000pF	50	.257	.24	.14	.063
544690CG	2200pF	50	.286	.272	.16	.062

NPO Temp Series (±10%)

JAMECO ValuePro	0402 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543726CG	100pF	50	\$.198	\$.13	\$.064	\$.052
543742CG	220pF	50	.198	.13	.064	.052

X5R Series (±10%)

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544104CG	1µF	10	\$.139	\$.083	\$.041	\$.034
Other Manufacturers — Great Deals						
649686CG	.1µF	25	\$.205	\$.159	\$.092	\$.064
649707CG	.22µF	16	.267	.182	.105	.073
649694CG	.22µF	25	.288	.205	.118	.082
649715CG	.33µF	16	.131	.077	.045	.031
649723CG	.47µF	16	.131	.077	.045	.031
649758CG	1µF	6.3	.35	.273	.158	.109
649740CG	1µF	10	.042	.032	.023	.014
649731CG	1µF	16	.154	.091	.053	.036
649766CG	2.2µF	6.3	.267	.182	.105	.073
649774CG	4.7µF	6.3	.45	.364	.146	.125

JAMECO ValuePro	0805 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544489CG	2.2µF	10	\$.348	\$.208	\$.122	\$.084
544420CG	4.7µF	6.3	.478	.286	.167	.116
544411CG	10µF	6.3	.211	.186	.177	.168
Other Manufacturers — Great Deals						
650484CG	.33µF	25	\$.467	\$.341	\$.197	\$.137
650492CG	.47µF	25	.467	.36	.144	.099
650530CG	1µF	10	.27	.182	.105	.073
650513CG	1µF	16	.193	.114	.066	.046
650505CG	1µF	25	.65	.50	.289	.20
650548CG	2.2µF	10	.257	.182	.105	.073
650521CG	2.2µF	16	.57	.41	.236	.164
650556CG	3.3µF	10	.357	.273	.158	.109
650572CG	4.7µF	6.3	.25	.14	.10	.09
650564CG	4.7µF	10	.357	.296	.171	.118
650581CG	10µF	6.3	.46	.26	.18	.16

JAMECO ValuePro	1206 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544753CG	4.7µF	10	\$.56	\$.468	\$.273	\$.19
Other Manufacturers — Great Deals						
651479CG	2.2µF	16	\$.41	\$.236	\$.164	\$.148
651452CG	2.2µF	25	.364	.21	.146	.131
651508CG	4.7µF	10	.41	.236	.164	.148
651487CG	4.7µF	16	1.10	.84	.486	.437
651461CG	4.7µF	25	.455	.263	.182	.164
651532CG	10µF	6.3	.84	.59	.341	.237
651516CG	10µF	10	.50	.289	.20	.18
651495CG	10µF	16	1.48	.87	.50	.475
651524CG	22µF	6.3	1.02	.59	.54	.513

JAMECO ValuePro	1210 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544809CG	10µF	10	\$ 1.80	\$ 1.08	\$.62	\$.432
Other Manufacturers — Great Deals						
651727CG	4.7µF	16	\$.73	\$.42	\$.29	\$.26
651786CG	10µF	10	1.62	.97	.56	.504
651735CG	10µF	16	1.09	.63	.437	.393
651719CG	10µF	25	1.01	.60	.42	.38
651751CG	22µF	6.3	3.01	2.53	1.04	.94
651794CG	22µF	10	2.54	1.52	.88	.80
651743CG	22µF	16	1.98	1.75	1.17	1.05
651760CG	47µF	6.3	1.69	1.63	1.55	1.47
651778CG	100µF	6.3	5.62	3.37	1.95	1.75

X5R Series (±10%) (Continued)

1812 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
651831CG	1µF	50	\$1.26	\$1.19	\$.70	\$.63
651840CG	10µF	25	2.42	1.97	1.77	1.58
651858CG	22µF	10	2.62	1.97	1.77	1.58
651866CG	47µF	6.3	5.94	3.56	3.20	2.88
651874CG	100µF	6.3	2.19	2.01	1.81	1.63

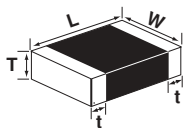
* Prepackaged: order in quantity increments shown

NPO Temp Series (±5%)

0402 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
645984CG	1pF	50	\$.077	\$.046	\$.026	\$.018
645992CG	2.2pF	50	.231	.133	.079	.055
646004CG	3.3pF	50	.231	.133	.079	.055
646012CG	3.9pF	50	.231	.133	.105	.073
646021CG	4.7pF	50	.231	.133	.105	.073
646039CG	5.6pF	50	.231	.133	.079	.055
646047CG	6.8pF	50	.231	.133	.105	.073
646055CG	8.2pF	50	.231	.137	.079	.055
646063CG	10pF	50	.077	.046	.026	.018
646071CG	15pF	50	.077	.046	.026	.018
646080CG	18pF	50	.077	.046	.026	.018
646098CG	22pF	50	.077	.046	.026	.018
646101CG	27pF	50	.077	.046	.026	.018
646119CG	33pF	50	.077	.046	.026	.018
646127CG	39pF	50	.077	.046	.026	.018
646135CG	47pF	50	.077	.046	.026	.018
646143CG	56pF	50	.077	.046	.026	.018
646151CG	68pF	50	.077	.046	.026	.018
646160CG	82pF	50	.231	.137	.079	.055
646178CG	100pF	50	.193	.114	.065	.046
646186CG	120pF	50	.077	.046	.026	.018
646194CG	150pF	50	.046	.035	.026	.018
646207CG	180pF	50	.077	.046	.026	.018
646215CG	220pF	50	.231	.137	.079	.055

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543902CG	10pF	50	\$.074	\$.063	\$.04	\$.024
543911CG	12pF	50	.131	.055	.044	.031
543937CG	15pF	50	.074	.059	.03	.021
543953CG	18pF	50	.074	.063	.04	.024
543961CG	22pF	50	.074	.059	.03	.021
543996CG	33pF	50	.074	.063	.04	.024
544016CG	39pF	50	.074	.063	.04	.034
544024CG	47pF	50	.087	.051	.03	.021
544032CG	82pF	50	.165	.099	.057	.04
543929CG	120pF	50	.074	.063	.04	.024
543945CG	150pF	50	.082	.059	.03	.021
543970CG	220pF	50	.082	.069	.049	.037

Other Manufacturers — Great Deals						
646725CG	1pF	50	\$.14	\$.087	\$.05	\$.035
646733CG	2.2pF	50	.133	.077	.05	.035
646741CG	3.3pF	50	.146	.087	.05	.021
646750CG	3.9pF	50	.146	.087	.05	.035
646768CG	4.7pF	50	.146	.087	.05	.035
646776CG	5.6pF	50	.146	.087	.05	.035
646784CG	6.8pF	50	.146	.087	.05	.035
646792CG	8.2pF	50	.146	.087	.05	.035



Multilayer Ceramic Chip Capacitors

NPO Temp Series ($\pm 5\%$) (Continued)

0603 SMT (Continued)			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
646805CG	10pF	50	\$.131	\$.077	\$.045	\$.021
646813CG	15pF	50	.077	.046	.026	.018
646821CG	18pF	50	.133	.077	.05	.021
646830CG	22pF	50	.077	.053	.046	.018
646848CG	27pF	50	.077	.046	.026	.018
646856CG	33pF	50	.116	.068	.039	.021
646864CG	39pF	50	.133	.077	.05	.031
646872CG	47pF	50	.077	.046	.026	.018
646881CG	56pF	50	.146	.087	.05	.035
646899CG	68pF	50	.154	.091	.053	.021
646901CG	82pF	50	.146	.087	.05	.035
646910CG	100pF	50	.077	.046	.026	.018
646928CG	120pF	50	.154	.091	.053	.021
646936CG	150pF	50	.077	.046	.026	.018
646944CG	180pF	50	.077	.046	.026	.018
646952CG	220pF	50	.154	.091	.053	.036
646961CG	270pF	50	.077	.046	.026	.018
646979CG	330pF	50	.154	.091	.053	.036
646987CG	390pF	50	.147	.091	.053	.035
646995CG	470pF	50	.077	.046	.026	.018
647007CG	560pF	50	.154	.091	.053	.036
647015CG	680pF	50	.154	.091	.053	.036
647023CG	820pF	50	.193	.114	.066	.046
647031CG	1000pF	50	.077	.046	.026	.018

JAMCO ValuePro 0805 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
544171CG	47pF	100	\$.079	\$.072	\$.06	\$.042
544251CG	100pF	50	.087	.051	.03	.021
544139CG	100pF	100	.079	.071	.06	.042
544163CG	220pF	100	.134	.12	.081	.056
544180CG	470pF	100	.134	.104	.06	.042
Other Manufacturers — Great Deals						
649900CG	1pF	50	\$.07	\$.056	\$.053	\$.036
649918CG	2.2pF	50	.162	.096	.055	.038
649926CG	3.3pF	50	.162	.096	.055	.038
649934CG	3.9pF	50	.162	.096	.055	.038
649942CG	4.7pF	50	.126	.096	.055	.038
649951CG	5.6pF	50	.126	.096	.055	.038
649969CG	6.8pF	50	.126	.096	.055	.038
649977CG	8.2pF	50	.126	.096	.055	.038
649985CG	10pF	50	.07	.046	.026	.018
649993CG	15pF	50	.07	.046	.026	.018
650003CG	18pF	50	.07	.046	.026	.018
650011CG	22pF	50	.07	.046	.026	.018
650020CG	27pF	50	.07	.046	.026	.018
650038CG	33pF	50	.07	.046	.026	.018
650046CG	39pF	50	.07	.046	.026	.018
650054CG	47pF	50	.07	.046	.026	.018
650062CG	56pF	50	.07	.046	.026	.018
650071CG	68pF	50	.07	.046	.026	.018
650089CG	82pF	50	.077	.046	.026	.018
650097CG	100pF	50	.077	.046	.026	.018
650100CG	120pF	50	.077	.046	.026	.018
650118CG	150pF	50	.077	.046	.026	.018
650126CG	180pF	50	.116	.068	.039	.027
650134CG	220pF	50	.077	.046	.026	.018
650142CG	270pF	50	.119	.091	.053	.036
650151CG	330pF	50	.077	.046	.026	.018
650169CG	390pF	50	.092	.055	.032	.022
650177CG	470pF	50	.092	.055	.032	.022
650185CG	560pF	50	.116	.068	.039	.027

0805 SMT (Continued)			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
650193CG	680pF	50	\$.133	\$.091	\$.053	\$.036
650206CG	820pF	50	.116	.068	.039	.027
650214CG	1000pF	50	.154	.091	.053	.036
650222CG	1500pF	50	.208	.123	.071	.049
650231CG	2200pF	50	.208	.123	.071	.049
650249CG	3300pF	50	.43	.257	.151	.104

JAMCO ValuePro 1206 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
544497CG	10pF	100	\$.19	\$.176	\$.144	\$.122
544526CG	15pF	100	.276	.256	.191	.064
544534CG	22pF	100	.19	.176	.144	.122
544542CG	33pF	100	.342	.248	.144	.043
544569CG	47pF	100	.19	.176	.144	.122
544500CG	100pF	100	.19	.176	.144	.122
544577CG	680pF	100	.257	.24	.14	.059
544518CG	1000pF	100	.257	.24	.211	.169

Other Manufacturers — Great Deals						
650716CG	1pF	50	\$.246	\$.146	\$.084	\$.058
650724CG	2.2pF	50	.246	.146	.084	.058
650732CG	3.3pF	50	.246	.146	.084	.058
650741CG	3.9pF	50	.246	.146	.084	.058
650759CG	4.7pF	50	.246	.146	.084	.05
650767CG	5.6pF	50	.246	.146	.084	.058
650775CG	6.8pF	50	.246	.146	.084	.058
650783CG	8.2pF	50	.147	.126	.084	.058
650791CG	10pF	50	.175	.154	.10	.069
650804CG	15pF	50	.189	.168	.10	.069
650812CG	18pF	50	.297	.178	.104	.072
650821CG	22pF	50	.175	.153	.088	.061
650839CG	27pF	50	.297	.178	.104	.072
650847CG	33pF	50	.175	.154	.10	.069
650855CG	39pF	50	.189	.168	.10	.069
650863CG	47pF	50	.175	.154	.10	.069
650871CG	56pF	50	.245	.178	.104	.056
650880CG	68pF	50	.189	.168	.10	.069
650898CG	82pF	50	.297	.178	.104	.072
650901CG	100pF	50	.175	.154	.10	.069
650919CG	120pF	50	.259	.173	.10	.069
650927CG	150pF	50	.259	.214	.123	.086
650935CG	180pF	50	.245	.18	.126	.069
650943CG	220pF	50	.175	.154	.123	.086
650951CG	270pF	50	.364	.218	.126	.088
650960CG	330pF	50	.175	.154	.123	.086
650978CG	390pF	50	.364	.218	.126	.088
650986CG	470pF	50	.238	.21	.122	.085
650994CG	560pF	50	.364	.218	.126	.088
651006CG	680pF	50	.259	.212	.122	.085
651014CG	820pF	50	.364	.218	.126	.088
651022CG	1000pF	50	.238	.21	.122	.085
651031CG	1200pF	50	.39	.233	.135	.095
651049CG	1500pF	50	.39	.223	.135	.095
651057CG	1800pF	50	.469	.281	.164	.114
651065CG	2200pF	50	.265	.245	.143	.101
651073CG	2700pF	50	.098	.084	.079	.07
651081CG	3300pF	50	.405	.295	.172	.08
651090CG	3900pF	50	.416	.249	.144	.101
651102CG	4700pF	50	.416	.295	.172	.12
651111CG	5600pF	50	.416	.295	.172	.12
651129CG	.01μF	25	.387	.223	.192	.155

Surface Mount Capacitors

SMT Case Dimensions (mm)


	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

Z5U Series ($\pm 20\%$)

JAMCO ValuePro 0805 SMT			Pricing per each*			
Part No.	Capacitance	Voltage	100	500	1000	5000
87177CG	.1μF	50	\$.035	\$.033	\$.028	\$.024

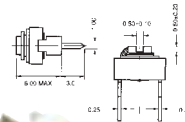

JAMCO ValuePro 1206 SMT			Pricing per each*			
Part No.	Capacitance	Voltage	100	500	1000	5000
87185CG	.1μF	50	\$.05	\$.033	\$.023	\$.017
87206CG	.22μF	50	.081	.053	.044	.033
87222CG	.47μF	50	.225	.198	.171	.153

* Prepackaged: order in quantity increments shown




5mm Ceramic Trimmer Capacitor

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm
- Operating temperature range: -30°C~+85°C
- Insulation resistance: >10MΩ min. @ 250VDC
- Q Factor @ 1MHz: >200





Part No.	Capacitance Range (pF)	Color Codes	Pricing			
			1	10	100	1000
136979CG	9.0-50.0	Green	\$.89	\$.80	\$.64	\$.48



8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40-200 g-cm
- Operating temperature range: -55°C~+85°C
- Insulation resistance: 10MΩ min. @ 250VDC
- Q Factor @ 1MHz: 134819CG/32838CG/134818CG: >300
32854CG/94449CG/94465CG: >200



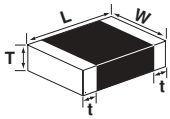
Part No.	Capacitance Range (pF)	Color Codes	Pricing			
			1	10	100	1000
134819CG	3.5-13.0	Ivory	\$.49	\$.39	\$.39	\$.36
32838CG	4.0-34.0	Yellow	.99	.84	.77	.58
32854CG	6.0-70.0	None	.92	.78	.72	.68
94449CG	8.5-100	Purple	1.05	.94	.76	.57
94465CG	8.5-120	None	.99	.79	.65	.59

Other Manufacturers — Great Deals						
134818CG	3.5-13.0	Ivory	\$.62	\$.55	\$.45	\$.335

Blue Part No. = Limited Quantity Available

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242



Multilayer Ceramic Chip Capacitors



SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210
L	1.0	1.6	2.0	3.2	3.2
W	0.5	0.81	1.25	1.6	2.5
T	1.02	1.02	0.065	1.55	1.02
t	0.25	0.35	0.25	0.5	0.5

X5V Series (+80%, -20%)

JAMECO ValuePro	0402 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543777CG	0.1uF	16	\$.163	\$.104	\$.099	\$.099

Y5V Series (±20%)

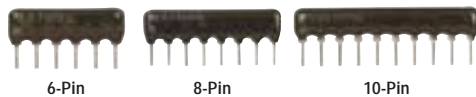
JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
649782CG	0.01uF	50	\$.063	\$.046	\$.026	\$.018
649838CG	0.1uF	25	.077	.046	.018	.026
649846CG	0.15uF	25	.154	.091	.053	.036
649854CG	0.22uF	25	.077	.046	.026	.018
649791CG	0.22uF	50	.077	.046	.026	.018
649862CG	0.33uF	25	.154	.091	.053	.036
649803CG	0.33uF	50	.077	.046	.026	.018
649871CG	0.47uF	16	.077	.046	.026	.018
649811CG	0.47uF	50	.077	.046	.026	.018
649820CG	0.68uF	50	.077	.046	.026	.018
649897CG	1uF	10	.077	.046	.026	.018
649899CG	1uF	16	.077	.046	.026	.018

Y5V Series (+80%, -20%)

JAMECO ValuePro	0603 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
543890CG	0.1uF	25	\$.087	\$.052	\$.03	\$.021
544112CG	1uF	10	.087	.051	.03	.021

* Prepackaged: order in quantity increments shown

6, 8, and 10-Pin Bused Single-In-Line "SIP" Resistor Networks (±2%)



- Miniature, high density packaging
- Operating temperature range: -55°C to +125°C
- Temperature coefficient range: ±100ppm/°C: 50Ω - 1.0MΩ; ±250ppm/°C: <50Ω or >1.0M
- Rating ambient temperature: +70°C
- Wattage/element: 1/8 Watt
- Max. working voltage: 100V
- Prepackaged: order in increments of 10

To order, replace "xxx" in the Part No. with the value to the right (e.g. - 4608X-1-512CG for a 5.1kΩ 8-pin device).	10Ω — 100 22Ω — 220 27Ω — 270 33Ω — 330 39Ω — 390 47Ω — 470 51Ω — 510 56Ω — 560 68Ω — 680 82Ω — 820 100Ω — 101	120Ω — 121 150Ω — 151 180Ω — 181 220Ω — 221 270Ω — 271 330Ω — 331 390Ω — 391 470Ω — 471 510Ω — 511 560Ω — 561 820Ω — 821	1kΩ — 102 1.2kΩ — 122 1.5kΩ — 152 1.8kΩ — 182 2.0kΩ — 202 2.2kΩ — 222 2.7kΩ — 272 3.3kΩ — 332 3.9kΩ — 392 4.7kΩ — 472 5.1kΩ — 512	5.6kΩ — 562 6.8kΩ — 682 8.2kΩ — 822 10kΩ — 103 12kΩ — 123 15kΩ — 153 18kΩ — 183 20kΩ — 203 22kΩ — 223 27kΩ — 273 33kΩ — 333	39kΩ — 393 47kΩ — 473 56kΩ — 563 68kΩ — 683 82kΩ — 823 100kΩ — 104 120kΩ — 124 150kΩ — 154 180kΩ — 184 220kΩ — 224 270kΩ — 274	330kΩ — 334 390kΩ — 394 470kΩ — 474 560kΩ — 564 680kΩ — 684 820kΩ — 824 1MΩ — 105
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Y5V Series (+80%, -20%)

0805 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
650599CG	0.01uF	50	\$.077	\$.046	\$.026	\$.018
650601CG	0.022uF	50	.077	.046	.026	.018
650610CG	0.047uF	50	.077	.046	.026	.018
650644CG	0.10uF	25	.077	.046	.026	.018
650628CG	0.10uF	50	.077	.046	.026	.018
650652CG	0.22uF	25	.116	.068	.039	.027
650636CG	0.22uF	50	.116	.068	.039	.027
650661CG	0.47uF	25	.154	.091	.053	.036
650687CG	1uF	16	.238	.121	.131	.091
650679CG	1uF	25	.231	.137	.079	.055
650695CG	2.2uF	16	.501	.296	.171	.118
650708CG	4.7uF	10	.65	.387	.223	.155

JAMECO ValuePro	1206 SMT	Pricing per each*				
Part No.	Capacitance	Volt.	10	100	500	1000
544737CG	1uF	50	\$.304	\$.182	\$.106	\$.074
544745CG	4.7uF	16	.70	.416	.243	.169
Other Manufacturers — Great Deals						
651541CG	0.10uF	50	\$.231	\$.137	\$.079	\$.055
651559CG	0.22uF	50	.424	.25	.144	.10
651567CG	0.47uF	50	.347	.205	.118	.082
651575CG	1uF	50	.27	.159	.092	.064
651583CG	2.2uF	25	.385	.228	.131	.091
651591CG	4.7uF	16	.62	.364	.21	.146
651604CG	10uF	10	.77	.455	.263	.182

1210 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
651815CG	10uF	16	\$2.08	\$1.23	\$.71	\$.491
651823CG	22uF	10	2.09	1.05	1.04	.72

0805 Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 pcs. Total



Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

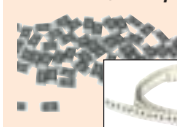
- Size (mm): 2.0L x 1.25W x 0.5Thick
- Max. overload voltage: 200V
- 1/8 watts
- Case size (two cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: -50°C to 120°C
- Weight: 1.9 lbs.

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806CG	16-500	\$79.95	\$71.95	\$64.79

1206 Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total



Value Chart (Ohms)

10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

Packaged in strips of 200 pcs. each

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55°C to +125°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H

Part No.	Cross Ref. No.	1	10	25
156882CG	SMR1206SB	\$99.99	\$89.99	\$79.99

Don't Resist Surface Mounts!



There was a time when I thought working with a surface mount board was completely impossible. Tiny little devices, incompatible big & bulky tools, my "30+" year old eyesight and more always steered me away.

OK, the devices aren't any bigger and now I use a magnifying light like the ones on page 313, but I do find myself enjoying SMD work! New, affordable tools are available, like the tweezer-action soldering iron on page 315. Its tiny tips make soldering and de-soldering a snap! Plus I use the tip to pick up and place the devices so my "40+" fingers don't have to fumble with the devices as much.

Practical Practices
Money Saving Tips for the Engineer



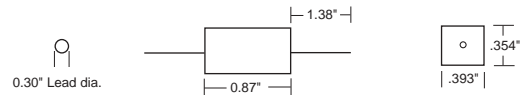
5-Watt Wirewound Resistors (5%)

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
 Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.36	\$.30	\$.228	\$.199	\$.162

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



Standard Resistor Values Chart

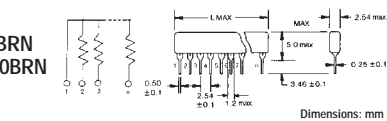
Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659964CG	0.10	660092CG	0.68	660236CG	2.7	660375CG	10	660519CG	36	660658CG	150	660797CG	500	660931CG	1.8k
659964CG	0.15	660105CG	0.75	660244CG	3.0	660383CG	11	660527CG	39	660666CG	160	660800CG	510	660949CG	2.0k
659972CG	0.20	660113CG	0.82	660252CG	3.3	660391CG	12	660535CG	43	660674CG	180	660818CG	560	660957CG	2.2k
659981CG	0.22	660121CG	0.91	660261CG	3.9	660404CG	13	660543CG	47	660682CG	200	660826CG	620	660965CG	2.4k
659999CG	0.27	660130CG	1.0	660279CG	4.0	660412CG	15	660551CG	50	660691CG	220	660834CG	680	660973CG	2.7k
660009CG	0.30	660148CG	1.1	660287CG	4.7	660421CG	16	660560CG	56	660703CG	240	660842CG	750	660981CG	3.0k
660017CG	0.33	660156CG	1.2	660295CG	5.0	660439CG	18	660578CG	62	660711CG	250	660851CG	820	660990CG	3.3k
660025CG	0.39	660164CG	1.3	660308CG	5.1	660447CG	20	660586CG	68	660720CG	270	660869CG	910	661001CG	3.9k
660033CG	0.43	660172CG	1.5	660316CG	5.6	660455CG	22	660594CG	75	660738CG	300	660877CG	1.0k	661010CG	4.7k
660041CG	0.47	660181CG	1.6	660324CG	6.2	660463CG	24	660607CG	82	660746CG	330	660885CG	1.1k	661028CG	5.0k
660050CG	0.50	660199CG	1.8	660332CG	6.8	660471CG	25	660615CG	91	660754CG	360	660893CG	1.2k	661036CG	10k
660068CG	0.51	660201CG	2.0	660341CG	7.5	660480CG	27	660623CG	100	660762CG	390	660906CG	1.3k	661044CG	20k
660076CG	0.56	660210CG	2.2	660359CG	8.2	660498CG	30	660631CG	120	660771CG	430	660914CG	1.5k	661052CG	25k
660084CG	0.62	660228CG	2.4	660367CG	9.1	660501CG	33	660640CG	130	660789CG	470	660922CG	1.6k		

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bused (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- 8-pin package (7 resistors) = 8BRN
- 10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.200" body ht.)
- Low profile is compatible with DIPs
- Cermet thick film construction



Part No.	Pins	Ohms
97826CG	8	10k
97851CG	10	330
97869CG	10	470
97877CG	10	1.0k
97893CG	10	2.2k
24660CG	10	4.7k
24643CG	10	10k
98087CG	10	47k
98095CG	10	100k

Pricing per each			
1	10	100	1000
\$.25	\$.19	\$.15	\$.12

Pricing for P/N 97826CG			
1	10	100	1000
\$.24	\$.18	\$.14	\$.11

Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%

Features (16IRN):

- Maximum operating voltage: 100V • Tolerance: ±2%
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation resistance: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation

Part No.	Ohms
164005CG	33
108556CG	100
108564CG	220
108572CG	330
108581CG	470
108599CG	1.0k
108610CG	4.7k
108628CG	10k
108644CG	100k

Pricing per each			
1	10	100	1000
\$.39	\$.35	\$.31	\$.29

SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A - B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN...	770-81-R...	708A...	4608X-101...	CSC08A01...	L08-1-R...	356CF...	X2PD 9S08... GL002
10BRN...	770-101-R...	710A...	4610X-101...	CSC10A01...	L10-1-R...	256CX...	X2PD 9S10... GL002
16IRN...	761-3-R...	316B...	4116R-001...	MDP16-03...	898-3-R...	916C...	X5SR D16H... 12-J

1/8-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W - \$12.95/k (bulk)

Part No.	Cross Ref. No.	Values included	Description (see chart below)	Pricing	
				1	10
108302CG	ASST1830	X	10 ea. of 24 values marked by X and 50 ea. of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49
108290CG	ASST1827	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95
108329CG	CAB182R	—	1/8-watt resistor component cabinet kit - 30 values (540 pcs.), see page 102	24.95	22.49

1/8-Watt Resistor Assortments Value Chart (Ohms)

10 ✓X	150 ✓X	330 ✓X	680 ✓X	2.0k ✓X	3.3k ✓X	5.6k ✓X	15k ✓X	33k ✓X	470k ✓X
47 ✓X	220 ✓#	390 X	1.0k ✓#	2.2k ✓X	4.7k ✓#	6.8k X	22k ✓X	47k ✓X	1.0M ✓X
100 ✓#	270 ✓X	470 ✓X	1.5k ✓X	2.7k ✓X	5.1k ✓X	10k ✓#	27k X	100k ✓#	10M ✓X

(✓), (X), (#) symbols indicate Resistor values included in Assortments above.

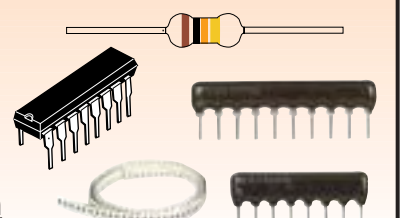
1/4-Watt & 1/2-Watt Resistor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in .05" increments
- Excellent for capacitors also
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"
- Size: 5.4"L x 1.5"W

Part No.	Description	1	10	50
106884CG	1/4W & 1/2W	\$2.79	\$2.65	\$2.52

Many more
resistor products
are available
on our website

www.Jameco.com





10 Series Current Sense Axial-Lead Wire Element Resistor

- Ideal for current sensing applications
- Terminals: solder plated copper or copper clad steel
- Encapsulation: silicon molding compound
- Derating: linearly from 100%@25°C to 0%@275°C
- Power rating: based on 25°C free air rating
- Overload: 5 x rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000Vrms
- Insulation resistance: 1000MΩ
- Thermal EMF: ±2uV/°C
- Temp. range: -55°C to 275°C
- 2 piece minimum order

Part No.	Product No.	Ohms	2	10	100
619516CG	12FR025	0.025Ω	\$1.49	\$1.33	\$1.28

20 Series Vitreous Enamel Conformal Axial-Lead Wire Wound Resistor

- Ideal for computer, computer and industrial applications
- Vitreous enamel coatings withstands high humidity and temperature cycling
- Coating: flame resistant lead free enamel coating
- Power: 3W
- Terminal: solder coated
- Derating: linearly from 100%@25°C to 0%@350°C
- Power rating: based on 25°C free air rating
- Overload 5 x rated wattage for 5 seconds
- Temperature coefficient: ±30ppm/°C
- 3 piece minimum order

Part No.	Product No.	Ohms	3	10	100
619541CG	23J56R	56Ω	\$.99	\$.87	\$.76

40 Series OHMICONE®, Silicone-Ceramic Conformal Axial-Lead Wire Wound Resistors

- All welded construction
- Characterized by their low temperature coefficient & resistance shock
- Applications: commercial, industrial, & communication
- Stability under high-temperature conditions
- Coating: conformal silicone ceramic
- Core: ceramic
- Terminals: solder coated, copper clad
- Derating: linearly from 100%@25°C to 0%@275°C
- Power rating: based on 25°C free air rating
- Overload: 5 x rated for under 5W; 10 x rated for 5W and over (for 5 seconds)
- Temperature coefficient: under 1Ω = ±90ppm/°C; over 10Ω = ±20ppm/°C
- 3 piece minimum order

Part No.	Product No.	Ohms	3	10	100
619559CG	40J50R	50Ω/10W	\$1.29	\$1.10	\$1.09
619567CG	43JR10	0.1Ω/3W	1.59	1.49	1.39

200 Series Brown Devil® Vitreous Enamel Power Resistors

- Small, exceptionally durable
- High-power ratings
- Coating: lead free vitreous enamel
- Terminal: tinned axial lead
- Derating: linearly from 100%@25°C to 0%@350°C
- Tolerance: 5%
- Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: under 5Ω = ±400ppm/°C; over 5Ω = ±260ppm/°C

Part No.	Product No.	Ohms	1	10	100
619604CG	B8J1K0	1kΩ	\$2.49	\$2.29	\$1.96
619612CG	B8J1R5	1.5Ω	3.59	3.21	2.67

250 Series "Thin" Stockholm® Vitreous Enamel Power Resistors

- Small size-to-power ratio
- Stackable
- Integral mounting bracket conducts heat to mounting surface
- Coating: lead free vitreous enamel
- Core: ceramic
- Terminals: tinned lug with hole
- Derating: linearly from 100%@25°C to 0%@350°C
- Power rating: based on mounting a single resistor on metal. Reduce rating by 15% when mounting on non-metallic surface
- Overload: 5 x rated wattage for 5 seconds
- Temperature coefficient: ±260ppm/°C
- Dielectric withstanding voltage: 1000VAC

Part No.	Product No.	Ohms	1	10	100
619639CG	F40J25R	25Ω/40W	\$9.55	\$8.99	\$8.77
619647CG	F5J10K	10kΩ/55W	13.95	11.79	9.07

270 Series Vitreous Enamel Power Resistors

- Terminals suitable for soldering or bolt connection
- High-wattage applications
- Core: tubular ceramic
- Coating: lead free vitreous enamel
- Terminals: solder coated radial lug
- Derating: linearly from 100%@25°C to 0%@350°C
- Tolerance: 5%
- Power: 25W
- Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: ±400ppm/°C
- Dielectric withstanding voltage: 1000VAC

Part No.	Product No.	Ohms	1	10	100
619655CG	L25J2R0	2Ω	\$5.49	\$3.88	\$3.15

OX Series Ceramic Composition Resistors

- High-peak power
- Replaces 1 & 2 watt carbon composition resistors
- Meets high energy density demands
- Tolerance: ±10%
- Terminals: solder coated axial leads
- Coating: UL94V-0 approved silicone
- Derating: linearly from 100%@70°C to 0%@200°C
- Power rating: based on 70°C free air rating
- Temperature coefficient: -1300 to 300ppm/°C
- Working voltage: 300V
- Dielectric strength: 500V
- Max. overload voltage: 600V
- 4 piece minimum order

Part No.	Product No.	Ohms	4	10	100
619663CG	OX150K	15Ω	\$.95	\$.85	\$.75
619680CG	OX390K	39Ω	.95	.85	.75

Thru-Bolts & Mounting Brackets for 210 & 270 Series

- Steel plated brackets allow for secure mounting of 210 and 270 type resistors
- Thru-bolts, centering washers & insulating washers included
- For 175W single resistor

Part No.	Product No.	Description	1	10	100
619583CG	6110-8/16	Slotted	\$10.09	\$8.28	\$6.90

Mounting Brackets

- Fits inside cores of 200, 210, & 270 type resistors
- Steel plated
- For 8 & 12 Watt

Part No.	Product No.	Description	1	10	100
619575CG	5-100	Slotted	\$29.99	\$28.95	\$27.49

Get It Straight!

Whether you're prototyping, hand-manufacturing a small run or repairing a machine-manufactured PC board, appearance and reliability are synonymous. Bent leads, odd-shaped-corners and corkscrew leads all tell a story when someone inspects your work.

A simple and very effective hand tool can greatly enhance the professional look of your PC board work. So consider a lead bender like the one on the left. It's very easy to select the specific lead separation you need. Just drop the device in the corresponding slot, bend you leads down and insert the device in your board.



Practical Practices
Money Saving Tips for the Engineer

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Color Code Legend
New Sale Lower\$ QtySave

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Potentiometers – 24mm Linear & Audio Taper

Color Code Legend			
New	Sale	Lower\$	QtySave

Honeywell

RV4N Style 2-Watt Linear Taper (±10%)

- Shaft diameter: 0.25" • Shaft length: 0.875"
- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"

Includes: Mounting hardware



95417CG

Qty.	1	10	25	50
Price	\$7.39	\$6.54	\$5.45	\$5.20

Part No.	Product No.	Military No.	Ohms
241568CG	53C3-100	RV4NAYSD101A	100
241576CG	53C3-150	RV4NAYSD151A	150
241584CG	53C3-250	RV4NAYSD251A	250
241592CG	53C3-350	RV4NAYSD351A	350
183610CG	53C3-500	RV4NAYSD501A	500
13936CG	53C3-1k	RV4NAYSD102A	1k
241613CG	53C3-2k	RV4NAYSD202A	2k
241621CG	53C3-2.5k	RV4NAYSD252A	2.5k
13995CG	53C3-5k	RV4NAYSD502A	5k
13952CG	53C3-10k	RV4NAYSD103A	10k
241648CG	53C3-15k	RV4NAYSD153A	15k
241656CG	53C3-20k	RV4NAYSD203A	20k
241664CG	53C3-25k	RV4NAYSD253A	25k
95417CG	53C3-50k	RV4NAYSD503A	50k
13979CG	53C3-100k	RV4NAYSD104A	100k
241681CG	53C3-250k	RV4NAYSD254A	250k
241699CG	53C3-350k	RV4NAYSD354A	350k
241728CG	53C3-1Meg	RV4NAYSD105A	1M



1/2-Watt 24mm Linear Taper (±20%)



- Maximum voltage: 500V
- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC
- Solder lugs

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order RV24A-10-20K-B503CG for a 50kΩ Alpha with 0.531"L Shaft).

500Ω — 501	50kΩ — 503
1kΩ — 102	100kΩ — 104
2kΩ — 202	250kΩ — 254
2.5kΩ — 252	500kΩ — 504
5kΩ — 502	1MΩ — 105
10kΩ — 103	2MΩ — 205
25kΩ — 253	5MΩ — 505

Part Number	RV24A-10-15R1-BxxxCG	RV24A-10-20K-BxxxCG	RV24A-10-40R1-BxxxCG
Shaft Length	0.335"L ⊕	0.531"L ⊕	1.32"L ⊕
1 pc.	\$1.19	\$1.19	\$1.15
10 pcs.	\$0.91	\$0.91	\$0.95
100 pcs.	\$0.83	\$0.83	\$0.86
500 pcs.	\$0.76	\$0.76	\$0.79

1/2-Watt Linear Taper (±10%)

- Temperature range: -55°C to +125°C
- Non-rotational key
- Non-slotted shaft end
- Mounting hole: 0.3125"
- Shaft diameter: 0.25"
- Shaft length: 0.50"
- Maximum panel thickness: 0.1875"

Includes: Mounting hardware



29081CG

Qty.	1	10	100	500
Price	\$.99	\$.79	\$.65	\$.55

⊕ Blue Part No. = Limited Quantity Available

Part No	Cross Ref. No.	Ohms	Part No	Cross Ref. No.	Ohms
29050CG	P1K	1k	29102CG	P100K	100k
29196CG	P5K	5k	29065CG	P1MEG	1M
29081CG	P10K	10k			



1/4-Watt 24mm Audio Taper with SPST Switch (±20%)

- Shaft length: 0.590"
- Voltage rating: 250V
- Shaft diameter: 0.250"
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263601CG

Qty.	1	10	100	500
Price	\$1.59	\$1.36	\$1.24	\$1.13

Part No.	Product No.	Ohms
263601CG	RV24A01-10-15R1-A1K ⊕	1k
263610CG	RV24A01-10-15R1-A5K ⊕	5k
263636CG	RV24A01-10-15R1-A10K ⊕	10k
263645CG	RV24A01-10-15R1-A50K	50k
263652CG	RV24A01-10-15R1-A100K ⊕	100k
263661CG	RV24A01-10-15R1-A500K ⊕	500k



1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.335"
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263759CG

Qty.	1	10	100	500
Price	\$1.59	\$1.36	\$1.24	\$1.13

⊕ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
263759CG	RV24A01-10-15R1-B500 ⊕	500
263768CG	RV24A01-10-15R1-B1K	1k
263775CG	RV24A01-10-15R1-B2.5K ⊕	2.5k
263783CG	RV24A01-10-15R1-B5K ⊕ ⊕	5k
263791CG	RV24A01-10-15R1-B10K ⊕	10k
263805CG	RV24A01-10-15R1-B25K	25k
263813CG	RV24A01-10-15R1-B50K	50k
263822CG	RV24A01-10-15R1-B100K	100k
263840CG	RV24A01-10-15R1-B250K	250k
263848CG	RV24A01F-10-15R1-B55	500k
263855CG	RV24A01-10-15R1-B1M ⊕ ⊕	1M



1/4-Watt 24mm Audio Taper (±20%)

- Shaft length: 0.335"
- Maximum voltage: 250V
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Insulation resistance: >100MΩ @ 500VDC
- Rotational angle: 300° (±5°)



255396CK

Qty.	1	10	100	500
Price	\$1.19	\$.91	\$.83	\$.76

⊕ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
255397CG	RV24A-10-15R1-A1K	1k
255417CG	RV24A-10-15R1-A5K ⊕	5k
255425CG	RV24A-10-15R1-A10K ⊕	10k
255433CG	RV24A-10-15R1-A50K ⊕ ⊕	50k
255441CG	RV24A-10-15R1-A100K ⊕	100k
255451CG	RV24A-10-15R1-A500K	500k
255469CG	RV24A-10-15R1-A1M	1M

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1/5-Watt 16mm Linear Taper, Single Detent

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Total rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Center detent
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute



286352CG

Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.04	\$.94

⊕ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286352CG	RV16A-10-15R1-B1K-OC ⊕	1k
286361CG	RV16A-10-15R1-B2K-OC ⊕	2k
286380CG	RV16A-10-15R1-B5K-OC	5k
286388CG	RV16A-10-15R1-B10K-OC	10k
286395CG	RV16A-10-15R1-B25K-OC ⊕	25k
286408CG	RV16A-10-15R1-B50K-OC ⊕	50k
286416CG	RV16A-10-15R1-B100K-OC ⊕	100k
286424CG	RV16A-10-15R1-B250K-OC ⊕	250k
286432CG	RV16A-10-15R1-B500K-OC ⊕	500k
286441CG	RV16A-10-15R1-B1M-OC ⊕ ⊕	1M

For Knobs see page 214



Pocket Trimmer Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade
- Size: 5.2"L



Part No.	Description	1	10	100
153314CG	Trimmer tool ⊕	\$1.35	\$1.22	\$1.09



1/5-Watt 16mm Linear Taper, 11 Detents

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- Insulation resistance: >100MΩ @ 500VDC
- 11-detent position
- Withstanding voltage: 500VAC, 1 minute



286459CG

Qty.	1	10	100	500
Price	\$1.65	\$1.38	\$1.25	\$1.13

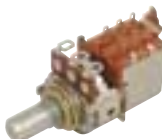
Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286459CG	RV16A-10-15R1-B1K-OD	1k
286467CG	RV16A-10-15R1-B2K-OD	2k
286475CG	RV16A-10-15R1-B5K-OD	5k
286484CG	RV16A-10-15R1-B10K-OD	10k
286491CG	RV16A-10-15R1-B25K-OD	25k
286504CG	RV16A-10-15R1-B50K-OD	50k
286512CG	RV16A-10-15R1-B100K-OD	100k
286521CG	RV16A-10-15R1-B250K-OD	250k
286539CG	RV16A-10-15R1-B500K-OD	500k
286547CG	RV16A-10-15R1-B1M-OD	1M



1/5-Watt 16mm Linear Taper w/ DPDT Switch, Solder Lugs

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute



286660CG

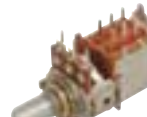
Qty.	1	10	100	500
Price	\$3.55	\$2.96	\$2.70	\$2.45

Part No.	Product No.	Ohms
286660CG	RV16B-10-15R1-B1K	1k
286678CG	RV16B-10-15R1-B5K	5k
286694CG	RV16B-10-15R1-B50K	50k
286707CG	RV16B-10-15R1-B100K	100k



1/5-Watt 16mm Linear Taper w/ DPDT Switch, PC Terminals

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Terminal type: PC terminals (horizontal)
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute



286740CG

Qty.	1	10	100	500
Price	\$3.55	\$2.96	\$2.70	\$2.45

Part No.	Product No.	Ohms
286731CG	RV16B-20-15R1-B10K	10k
286740CG	RV16B-20-15R1-B50K	50k
286758CG	RV16B-20-15R1-B100K	100k



1/5-Watt 16mm Linear Taper

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotation angle: 300° (±5°)
- Rotational life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute

Blue Part No. = Limited Quantity Available



286256CG

Qty.	1	10	100	500
Price	\$1.15	\$1.00	\$0.87	\$0.80

Part No.	Product No.	Ohms
286248CG	RV16A-10-15R1-B1K	1k
286256CG	RV16A-10-15R1-B2K	2k
286264CG	RV16A-10-15R1-B5K	5k
286272CG	RV16A-10-15R1-B10K	10k
286282CG	RV16A-10-15R1-BF4	25k
286300CG	RV16AF-10-15R1-B54	50k
286302CG	RV16A-10-15R1-B15	100k
286310CG	RV16A-10-15R1-B250K	250k
286329CG	RV16A-10-15R1-B55	500k
286336CG	RV16A-10-15R1-B1M	1M
286344CG	RV16A-10-15R1-B1.2M	1.2M



1/5-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.374"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Terminal type: PC terminal (vertical; back)
- Total rotation angle: 270° (±5°)
- Rotation life: 100,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC 10A



286767CG

Qty.	1	10	100	500
Price	\$2.25	\$1.90	\$1.73	\$1.57

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286767CG	RV16C-40-16F1-B5K	5k
286775CG	RV16C-40-16F1-B10K	10k
286782CG	RV16C-40-16F1-B50K	50k
286791CG	RV16C-40-16F1-B500K	500k



1/8-Watt 16mm Linear Taper

- Shaft length: 0.531"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); ≥1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute



286062CG

Qty.	1	10	100	500
Price	\$1.19	\$1.00	\$0.83	\$0.70

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286062CG	RV16A-10-20R1-B1K	1k
286184CG	RV16A-10-20R1-B2K	2k
286193CG	RV16A-10-20R1-B5K	5k
286205CG	RV16A-10-20R1-B10K	10k
286213CG	RV16A-10-20R1-B50K	50k
286854CG	RV16A-10-20R1-B100K	100k
286222CG	RV16A-10-20R1-B500K	500k
286231CG	RV16A-10-20R1-B1M	1M



1/8-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft Length: 0.335"
- Shaft diameter: 0.250"
- Terminal type: solder lugs double row
- Rated voltage: 200V
- Total rotation angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- Switch contact resistance: 20mΩ
- Switch rating: 12VDC/1A



286598CG

Qty.	1	10	100	500
Price	\$1.95	\$1.62	\$1.47	\$1.34

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286598CG	RV16A03-10-15R1-B1K	1k
286601CG	RV16A03-10-15R1-B5K	5k
286620CG	RV16A03-10-15R1-B10K	10k
286627CG	RV16A03-10-15R1-B50K	50k
286635CG	RV16A03-10-15R1-B100K	100k
286651CG	RV16A03-10-15R1-B1M	1M



1/10-Watt 16mm Audio Taper (±20%)

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- Rotational life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- 11-detent positions



286555CG

Qty.	1	10	100	500
Price	\$1.65	\$1.38	\$1.25	\$1.13

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms
286555CG	RV16A-10-15R1-A10K-OD	10k
286563CG	RV16A-10-15R1-A50K-OD	50k
286571CG	RV16A-10-15R1-A100K-OD	100k
286580CG	RV16A-10-15R1-A1M-OD	1M

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Linear Taper, Linear, Cermet & Trimming Pots

Color Code Legend			
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1/5-Watt 16mm Linear Taper (±20%)

- Insulation resistance: 100MΩ @ 500VDC
- Number of detents: 10
- Maximum panel thickness: 0.15"
- Shaft length: 0.605"
- Maximum operating voltage: 150VAC
- Shaft diameter: 0.235"
- Rotational life: 15,000 cycles
- Mounting hole: 0.27"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
163563CG	PMD401	10k	\$1.65	\$1.49	\$1.35	\$1.09

2-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to +70°C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825"
- Base length: 0.25"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123959CG	PT1K	1k	\$3.29	\$2.99	\$2.65	\$2.39
123967CG	PT5K	5k	3.29	2.99	2.65	2.39

5-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to 70°C
- Shaft diameter: 0.23" (6mm)
- Shaft length: 0.67", except P/N 140522CG (0.25")
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140514CG	PW5B100	100	\$2.79	\$2.35	\$2.25	\$2.10
140522CG	PW5B500	500	2.79	2.35	2.25	2.10

2-Watt Linear Taper Wire Wound (10-turn)

- Resistance tolerance: ±10%
- 10-turn; wirewound
- Load life: 1000 hours, 2W
- Insulation resistance: (500VDC) 1000MΩ minimum
- Absolute minimum resistance: 1Ω or 0.1% maximum

Part No.	Product No.	Ohms	1	10	50
183548CG	3540S-1-502	5k	\$12.79	\$12.35	\$12.26
183521CG	3540S-1-103	10k	12.99	12.79	12.59

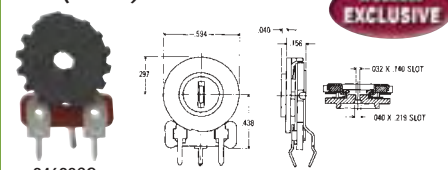
1/2-Watt, 3/8" Square Trimming Potentiometer (±10%)

- Top adjustment
- Multi-turn
- Insulation resistance: (500VDC) 1000MΩ min.

Part No.	Product No.	Ohms	1	10	50
191417CG	3299Y-501	500	\$1.89	\$1.72	\$1.43

1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount



- 15mm thick
- Power rating: below 5kΩ - 1/4 watt @ 40°C, 5kΩ & above - 1/4 watt @ 55°C
- Total rotation: 260° ±5°
- Voltage rating: 350VDC

Qty.	1	10	100	500
Price	\$0.45	\$0.39	\$0.35	\$0.29

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
94692CG	X201R1K	1k	172136CG	X201R25K	25k
35502CG	X201R252B	2.5k	94721CG	X201R50K	50k
94705CG	X201R5K	5k	94730CG	X201R100K	100k
94713CG	X201R10K	10k			

1/2-Watt Trimming Potentiometers (±10%)

3362P Series

- Linear taper
- Insulation resistance: 500VDC 1,000MΩ minimum
- Absolute minimum resistance: 1% or 2Ω maximum
- Contact resistance variation: 1% or 3Ω maximum
- Rotational life: 200 cycles
- Terminals: solderable pins
- Top adjustment: 240° nominal
- Wiper positioning: 50% nominal

Qty.	1	10	100	500
Price	\$0.69	\$0.62	\$0.47	\$0.42

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
191644CG	3362P-200	20	182836CG	3362P-103	10k
189341CG	3362P-500	50	182844CG	3362P-204	200k
182810CG	3362P-501	500	182852CG	3362P-105	1M
182828CG	3362P-502	5k			

1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

3329P Series

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- TO-5 grid
- Terminals: solderable pins

- Top adjustment

Qty.	1	10	100	500
Price	\$1.89	\$1.59	\$1.29	\$1.19

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
95441CG	3329P-102	1k	96719CG	3329P-103	10k
95450CG	3329P-502	5k	95484CG	3329P-104	100k

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)

- Top adjustment
- 1/2 watt linear taper @ 70°C
- PC pins: 0.100" grid (2.54mm)
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants
- Pin spacing: 0.1" († 43060CG & 105216CG: 0.2")

Qty.	1	10	100	500
Price	\$0.85	\$0.79	\$0.69	\$0.49

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
43123CG	63P500	500	43107CG	63P50K	50k
42964CG	63P1K	1k	43027CG	63P100K	100k
43043CG	63P2K	2k	43060CG	63P300K	300k
43078CG	63P5K	5k	63212CG	63P500K	500k
43001CG	63P10K	10k	42981CG	63P1MEG	1M
43051CG	63P20K	20k	105216CG	63P2MEG	2M

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)

- PC pins: 0.100" grid (2.54mm)
- Side adjustment
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants

Qty.	1	10	100	500
Price	\$1.05	\$0.99	\$0.89	\$0.75

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
181972CG	43P201	200	41873CG	43P20K	20k
41937CG	43P500	500	41911CG	43P50K	50k
41785CG	43P1K	1k	41849CG	43P100K	100k
41865CG	43P2K	2k	63001CG	43P200K	200k
41890CG	43P5K	5k	41953CG	43P500K	500k
41822CG	43P10K	10k	41806CG	43P1MEG	1M

1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

Bourns 3329P Series Value Equivalents

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- TO-5 grid
- Terminals: solderable pins

Qty.	1	10	50	100
Price	\$1.69	\$1.53	\$1.29	\$1.21

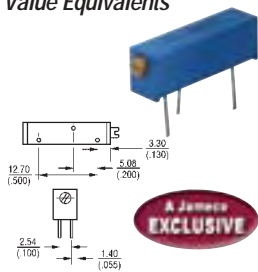
Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254457CG	3329P-500	50	254537CG	3329P-203	20k
254465CG	3329P-101	100	254545CG	3329P-253	25k
254473CG	3329P-201	200	254553CG	3329P-503	50k
254481CG	3329P-501	500	254561CG	3329P-104	100k
254490CG	3329P-102	1k	254570CG	3329P-204	200k
254502CG	3329P-202	2k	254588CG	3329P-504	500k
254511CG	3329P-502	5k	254596CG	3329P-105	1M
254529CG	3329P-103	10k			

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometer Side Adjustment ($\pm 10\%$)

Bourns 3006P Series Value Equivalents

- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum resistance: 1% or 2 Ω
- Contact resistance variation: 1% or 1 Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



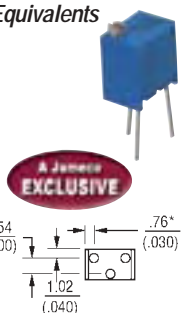
Qty.	1	10	50	100
Price	\$1.25	\$1.15	\$.99	\$.89

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
241234CG	3006P-101	100	241314CG	3006P-253	25k
241242CG	3006P-201	200	241322CG	3006P-503	50k
241251CG	3006P-501	500	241331CG	3006P-104	100k
241269CG	3006P-102	1k	241349CG	3006P-204	200k
241277CG	3006P-202	2k	241357CG	3006P-254	250k
241285CG	3006P-502	5k	241365CG	3006P-504	500k
241293CG	3006P-103	10k	241373CG	3006P-105	1M
241306CG	3006P-203	20k			

1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment ($\pm 10\%$)

Bourns 3266W Series Value Equivalents

- Resistance tolerance: $\pm 10\%$
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000M Ω minimum
- Contact resistance variation: 3% or 3 Ω maximum (whichever is greater)
- Absolute min. resistance: 1% or 2 Ω maximum (whichever is greater)
- Power rating: 0.25W @ 70°C (300V maximum)



Qty.	1	10	50	100
Price	\$2.29	\$1.99	\$1.93	\$1.83

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
254609CG	3266W-500	50	254684CG	3266W-203	20k
254617CG	3266W-101	100	254692CG	3266W-253	25k
254625CG	3266W-201	200	254705CG	3266W-503	50k
254633CG	3266W-501	500	254713CG	3266W-104	100k
254641CG	3266W-102	1k	254721CG	3266W-204	200k
254650CG	3266W-202	2k	254730CG	3266W-504	500k
254668CG	3266W-502	5k	254748CG	3266W-105	1M
254676CG	3266W-103	10k			

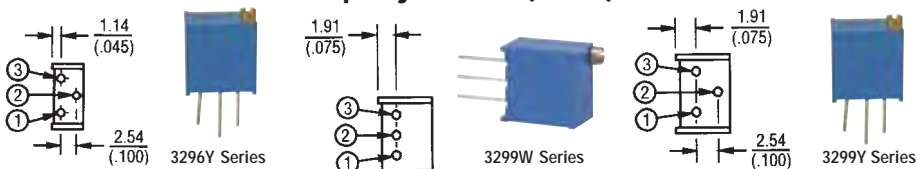
Pocket Trimmer Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade
- Size: 5.2"L



Part No.	Description	1	10	100
153314CG	Trimmer tool	\$1.35	\$1.22	\$1.09

1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers, Top Adjustment ($\pm 10\%$)



3296Y/3299Y – Y Layout Solder Pins and 3299W – In-Line Solder Pins

- Resistance tolerance: $\pm 10\%$
- 25 turns nominal
- Insulation resistance: (500VDC) 1000M Ω min.
- Contact resistance variation: 1% or 3 Ω max.
- Absolute minimum resistance: 1% or 2 Ω max.
- Power rating: 0.5W @ 70°C (300V max.)

Attention Budget-Minded Buyers!

Jameco now offers high-quality Bourns® equivalents below, and they're priced to save you money. You'll get consistent form, fit and function, without paying the added surcharge for brand name components.

Series	3296Y	3299W	3299Y
Part Number	3296Y-xxxCG	3299W-xxxCG	3299Y-xxxCG
1 pc.	\$1.69	\$1.99	\$1.99
10 pcs.	\$1.56	\$1.82	\$1.82
100 pcs.	\$1.42	\$1.53	\$1.53
500 pcs.	\$1.28	\$1.35	\$1.35

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3296Y-503CG for a 50k Ω ValuePro Series 3296Y).

10 Ω — 100	10k Ω — 103
20 Ω — 200	20k Ω — 203
50 Ω — 500	25k Ω — 253
100 Ω — 101	50k Ω — 503
200 Ω — 201	100k Ω — 104
500 Ω — 501	250k Ω — 254
1k Ω — 102	500k Ω — 504
2k Ω — 202	1M Ω — 105
5k Ω — 502	2M Ω — 205

Bourns® Potentiometers

Jameco now offers a broad selection of industry-renowned Bourns multi-turn potentiometers below. They're ideal for integration into devices requiring high-precision pots.

Series	3296Y	3299W	3299Y
Part Number	3296Y-1-xxxCG	3299W-1-xxxCG	3299Y-1-xxxCG
1 pc.	\$1.99	\$2.39	\$2.39
10 pcs.	\$1.85	\$2.25	\$2.19
100 pcs.	\$1.66	\$1.99	\$1.79
500 pcs.	\$1.49	\$1.79	\$1.59

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers

Bourns 3362 Series Value Equivalents

- Resistance tolerance: $\pm 10\%$
- Insulation resistance: (500VDC) 1,000M Ω
- Absolute minimum resistance: 1% or 2 Ω (whichever is greater)
- Contact resistance variation: 1% or 3 Ω max. (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3362P-503CG for a 50k Ω ValuePro Series 3362P).	100 Ω — 101 200 Ω — 201 500 Ω — 501 1k Ω — 102 2k Ω — 202 5k Ω — 502 10k Ω — 103	20k Ω — 203 25k Ω — 253 50k Ω — 503 100k Ω — 104 200k Ω — 204 500k Ω — 504 1M Ω — 105
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Series	3362P	3362W
Part Number	3362P-xxxCG	3362W-xxxCG
1 pc.	\$0.59	\$0.59
10 pcs.	\$0.55	\$0.54
100 pcs.	\$0.45	\$0.45
500 pcs.	\$0.42	\$0.41

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers

Bourns 3386 Series Value Equivalents

- Resistance tolerance: $\pm 10\%$
- Insulation resistance: (500VDC) 1,000M Ω min.
- Absolute minimum resistance: 2 Ω
- Contact resistance variation: 2% or 3 Ω max. (whichever is greater)

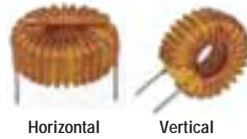
To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3386P-503CG for a 50k Ω ValuePro Series 3386P).	50 Ω — 500 100 Ω — 101 200 Ω — 201 500 Ω — 501 1k Ω — 102 2k Ω — 202 5k Ω — 502 10k Ω — 103 20k Ω — 203	25k Ω — 253 50k Ω — 503 100k Ω — 104 200k Ω — 204 250 Ω — 254 500k Ω — 504 1M Ω — 105 2M Ω — 205
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Series	3386P	3386W	3386X
Part Number	3386P-xxxCG	3386W-xxxCG	3386X-xxxCG
1 pc.	\$0.85	\$0.89	\$0.85
10 pcs.	\$0.76	\$0.79	\$0.76
100 pcs.	\$0.67	\$0.69	\$0.67
500 pcs.	\$0.64	\$0.65	\$0.64

High-Current Toroid Inductors

- DC - DC converter, EMI filter applications • Low radiation
- Low core loss • Low cost • High current capacity
- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specifications



Horizontal Vertical

2100 Series Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371741CG	2101-V	10.0	10.8	0.006	0.34	0.053	\$1.69	\$1.03	.74
371506CG	2101-H	10.0	10.8	0.006	0.77	0.053	1.69	1.03	.74
371750CG	2102-V	12.0	10.3	0.007	0.34	0.053	1.69	1.04	.74
371514CG	2102-H	12.0	10.3	0.007	0.77	0.053	1.69	1.04	.74
371768CG	2103-V	15.0	7.7	0.012	0.33	0.042	1.69	1.04	.74
371522CG	2103-H	15.0	7.7	0.012	0.76	0.042	1.69	1.04	.74
371776CG	2104-V	18.0	7.4	0.013	0.33	0.042	1.69	1.04	.74
371531CG	2104-H	18.0	7.4	0.013	0.76	0.042	1.69	1.04	.74
371784CG	2105-V	22.0	7.0	0.015	0.33	0.042	1.69	1.04	.74
371549CG	2105-H	22.0	7.0	0.015	0.76	0.042	1.69	1.04	.74
371792CG	2106-V	27.0	5.3	0.026	0.32	0.034	1.69	1.04	.74
371557CG	2106-H	27.0	5.3	0.026	0.75	0.034	1.69	1.04	.74
371805CG	2107-V	33.0	5.0	0.029	0.32	0.034	1.69	1.04	.74
371565CG	2107-H	33.0	5.0	0.029	0.75	0.034	1.69	1.04	.74
371813CG	2108-V	39.0	4.8	0.032	0.32	0.034	1.69	1.04	.74
371573CG	2108-H	39.0	4.8	0.032	0.75	0.034	1.69	1.04	.74
371821CG	2109-V	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371581CG	2109-H	47.0	3.6	0.055	0.75	0.027	1.69	1.04	.74
371830CG	2110-V	56.0	3.4	0.060	0.31	0.027	1.69	1.04	.74
371590CG	2110-H	56.0	3.4	0.060	0.75	0.027	1.69	1.04	.74
371848CG	2111-V	68.0	3.3	0.067	0.31	0.027	1.69	1.04	.74
371602CG	2111-H	68.0	3.3	0.067	0.75	0.027	1.69	1.04	.74
371856CG	2112-V	100.0	2.4	0.13	0.31	0.022	1.69	1.04	.74
371611CG	2112-H	100.0	2.4	0.13	0.74	0.022	1.69	1.04	.74
371864CG	2113-V	120.0	2.2	0.15	0.31	0.022	1.69	1.04	.74
371629CG	2113-H	120.0	2.2	0.15	0.74	0.022	1.69	1.04	.74
371872CG	2114-V	150.0	3.4	0.062	0.35	0.034	1.69	1.04	.74
371637CG	2114-H	150.0	3.4	0.062	0.79	0.034	1.69	1.04	.74
371881CG	2115-V	180.0	2.6	0.11	0.34	0.027	1.69	1.04	.74
371645CG	2115-H	180.0	2.6	0.11	0.77	0.027	1.69	1.04	.74
371899CG	2116-V	220.0	2.4	0.12	0.34	0.027	1.69	1.04	.74
371653CG	2116-H	220.0	2.4	0.12	0.77	0.027	1.69	1.04	.74
371901CG	2117-V	270.0	1.8	0.21	0.33	0.022	1.89	1.17	.84
371661CG	2117-H	270.0	1.8	0.21	0.76	0.022	1.89	1.17	.84
371910CG	2118-V	330.0	1.7	0.23	0.33	0.022	1.89	1.17	.84
371670CG	2118-H	330.0	1.7	0.23	0.76	0.022	1.89	1.17	.84
371928CG	2119-V	390.0	1.7	0.25	0.33	0.022	1.89	1.17	.84
371688CG	2119-H	390.0	1.7	0.25	0.76	0.022	1.89	1.17	.84
371936CG	2120-V	470.0	1.6	0.28	0.35	0.022	1.89	1.17	.84
371696CG	2120-H	470.0	1.6	0.28	0.76	0.022	1.89	1.17	.84
371944CG	2121-V	560.0	1.5	0.30	0.35	0.022	1.89	1.17	.84
371709CG	2121-H	560.0	1.5	0.30	0.79	0.022	1.89	1.17	.84
371952CG	2122-V	680.0	1.4	0.33	0.35	0.022	1.89	1.17	.84
371717CG	2122-H	680.0	1.4	0.33	0.79	0.022	1.89	1.17	.84
371961CG	2123-V	820.0	1.4	0.37	0.35	0.022	1.89	1.17	.84
371725CG	2123-H	820.0	1.4	0.37	0.79	0.022	1.89	1.17	.84
371979CG	2124-V	1000.0	1.3	0.40	0.37	0.022	1.89	1.17	.84
371733CG	2124-H	1000.0	1.3	0.40	0.81	0.022	1.89	1.17	.84

2200 Series Equivalents

371266CG	2201-V	10.0	12.5	0.007	0.46	0.053	\$2.15	\$1.31	.93
371021CG	2201-H	10.0	12.5	0.007	0.88	0.053	2.15	1.31	.93
371274CG	2202-V	12.0	12.0	0.008	0.46	0.053	2.15	1.31	.93
371039CG	2202-H	12.0	12.0	0.008	0.88	0.053	2.15	1.31	.93
371282CG	2203-V	15.0	11.3	0.008	0.46	0.053	2.15	1.31	.93
371047CG	2203-H	15.0	11.3	0.008	0.88	0.053	2.15	1.31	.93
371291CG	2204-V	18.0	10.8	0.009	0.46	0.053	2.15	1.31	.93
371055CG	2204-H	18.0	10.8	0.009	0.88	0.053	2.15	1.31	.93
371303CG	2205-V	22.0	10.3	0.010	0.46	0.053	2.15	1.31	.93
371063CG	2205-H	22.0	10.3	0.010	0.88	0.053	2.15	1.31	.93

2200 Series Equivalents (Continued)

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371311CG	2206-V	27.0	9.8	0.011	0.46	0.053	\$2.15	\$1.31	.93
371071CG	2206-H	27.0	9.8	0.011	0.88	0.053	2.15	1.31	.93
371320CG	2207-V	33.0	7.4	0.020	0.45	0.042	2.15	1.31	.93
371080CG	2207-H	33.0	7.4	0.020	0.87	0.042	2.15	1.31	.93
371338CG	2208-V	39.0	7.1	0.022	0.45	0.042	2.15	1.31	.93
371098CG	2208-H	39.0	7.1	0.022	0.87	0.042	2.15	1.31	.93
371346CG	2209-V	47.0	6.7	0.024	0.45	0.042	2.15	1.31	.93
371101CG	2209-H	47.0	6.7	0.024	0.87	0.042	2.15	1.31	.93
371354CG	2210-V	56.0	6.4	0.026	0.45	0.042	2.15	1.31	.93
371119CG	2210-H	56.0	6.4	0.026	0.87	0.042	2.15	1.31	.93
371362CG	2211-V	68.0	4.9	0.046	0.44	0.034	2.15	1.31	.93
371127CG	2211-H	68.0	4.9	0.046	0.86	0.034	2.15	1.31	.93
371371CG	2212-V	100.0	4.4	0.056	0.44	0.034	2.15	1.31	.93
371135CG	2212-H	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371389CG	2213-V	120.0	3.3	0.098	0.44	0.027	2.15	1.31	.93
371143CG	2213-H	120.0	3.3	0.098	0.86	0.027	2.15	1.31	.93
371397CG	2214-V	150.0	3.1	0.11	0.44	0.027	2.15	1.31	.93
371151CG	2214-H	150.0	3.1	0.11	0.86	0.027	2.15	1.31	.93
371400CG	2215-V	180.0	3.8	0.075	0.48	0.034	2.15	1.31	.93
371160CG	2215-H	180.0	3.8	0.075	0.90	0.034	2.15	1.31	.93
371418CG	2216-V	220.0	3.6	0.083	0.48	0.034	2.15	1.31	.93
371178CG	2216-H	220.0	3.6	0.083	0.90	0.034	2.15	1.31	.93
371426CG	2217-V	270.0	3.4	0.092	0.48	0.034	2.35	1.45	1.03
371186CG	2217-H	270.0	3.4	0.092	0.90	0.034	2.35	1.45	1.03
371434CG	2218-V	330.0	3.3	0.10	0.48	0.034	2.35	1.45	1.03
371194CG	2218-H	330.0	3.3	0.10	0.90	0.034	2.35	1.45	1.03
371442CG	2219-V	390.0	2.5	0.18	0.46	0.027	2.35	1.45	1.03
371207CG	2219-H	390.0	2.5	0.18	0.88	0.027	2.35	1.45	1.03
371451CG	2220-V	470.0	2.3	0.19	0.46	0.027	2.35	1.45	1.03
371215CG	2220-H	470.0	2.3	0.19	0.88	0.027	2.35	1.45	1.03
371469CG	2221-V	560.0	2.2	0.21	0.46	0.027	2.35	1.45	1.03
371223CG	2221-H	560.0	2.2	0.21	0.88	0.027	2.35	1.45	1.03
371477CG	2222-V	680.0	2.1	0.23	0.49	0.027	2.35	1.45	1.03
371231CG	2222-H	680.0	2.1	0.23	0.91	0.027	2.35	1.45	1.03
371485CG	2223-V	820.0	2.0	0.26	0.49	0.027	2.35	1.45	1.03
371240CG	2223-H	820.0	2.0	0.26	0.91	0.027	2.35	1.45	1.03
371493CG	2224-V	1000.0	1.9	0.28	0.49	0.027	2.35	1.45	1.03
371258CG	2224-H	1000.0	1.9	0.28	0.91	0.027	2.35	1.45	1.03

2300 Series Equivalents

386901CG	2301-V	10.0	20.0	0.005	0.56	0.066	\$2.19	\$1.49	\$1.13
386361CG	2301-H	10.0	20.0	0.005	1.18	0.066	2.19	1.49	1.13
386935CG	2302-V	12.0	19.1	0.005	0.56	0.066	2.19	1.49	1.13
386396CG	2302-H	12.0	19.1	0.005	1.18	0.066	2.19	1.49	1.13
386951CG	2303-V	15.0	18.0	0.006	0.56	0.066	2.19	1.49	1.13
386425CG	2303-H	15.0	18.0	0.006	1.18	0.066	2.19	1.49	1.13
386978CG	2304-V	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386441CG	2304-H	18.0	17.2	0.006	1.18	0.066	2.19	1.49	1.13
387006CG	2305-V	22.0	16.4	0.007	0.56	0.066	2.19	1.49	1.13
386468CG	2305-H	22.0	16.4	0.007	1.18	0.066	2.19	1.49	1.13
387022CG	2306-V	27.0	15.6	0.008	0.56	0.066	2.19	1.49	1.13
386484CG	2306-H	27.0	15.6	0.008	1.18	0.066	2.19	1.49	1.13
387049CG	2307-V	33.0	11.7	0.013	0.53	0.053	2.19	1.49	1.13
386505CG	2307-H	33.0	11.7	0.013	1.14	0.053	2.19	1.49	1.13
387065CG	2308-V	39.0	11.2	0.014	0.53	0.053	2.19	1.49	1.13
386521CG	2308-H	39.0	11.2	0.014	1.14	0.053	2.19	1.49	1.13
387090CG	2309-V	47.0	10.7	0.016	0.53	0.053	2.19	1.49	1.13
386548CG	2309-H	47.0	10.7	0.016	1.14	0.053	2.19	1.49	1.13
387111CG	2310-V	56.0	10.2	0.017	0.53	0.053	2.19	1.49	1.13
386564CG	2310-H	56.0	10.2	0.017	1.14	0.053	2.19	1.49	1.13
387137CG	2311-V	68.0	7.7	0.030	0.52	0.042	2.19	1.49	1.13
386581CG	2311-H	68.0	7.7	0.030	1.13	0.042	2.19	1.49	1.13
387161CG	2312-V	100.0	7.0	0.037	0.52	0.042	2.19	1.49	1.13
386601CG	2312-H	100.0	7.0	0.037	1.13	0.042	2.19	1.49	1.13
387188CG	2313-V	120.0	6.7	0.040	0.52	0.042	2.19	1.49	1.13
386636CG	2313-H	120.0	6.7	0.040	1.13	0.042	2.19	1.49	1.13
387209CG	2314-V	150.0	5.0	0.071	0.51	0.034	2.19	1.49	1.13

JAMECO ValuePro

High Current Toroid Inductors (Continued)

2300 Series Equivalents

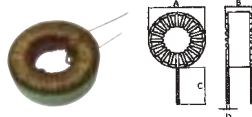
Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
386652CG	2314-H	150.0	5.0	0.071	1.12	0.034	\$2.19	\$1.49	\$1.13
387233CG	2315-V	180.0	4.8	0.078	0.51	0.034	2.19	1.49	1.13
386679CG	2315-H	180.0	4.8	0.078	1.12	0.034	2.19	1.49	1.13
387268CG	2316-V	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386695CG	2316-H	220.0	5.8	0.054	1.17	0.042	2.19	1.49	1.13
387284CG	2317-V	270.0	5.5	0.060	0.56	0.042	2.19	1.49	1.13
386724CG	2317-H	270.0	5.5	0.060	1.17	0.042	2.19	1.49	1.13
387313CG	2318-V	330.0	5.2	0.067	0.56	0.042	2.19	1.49	1.13
386741CG	2318-H	330.0	5.2	0.067	1.17	0.042	2.19	1.49	1.13
387330CG	2319-V	390.0	5.0	0.072	0.56	0.042	2.19	1.49	1.13
386767CG	2319-H	390.0	5.0	0.072	1.17	0.042	2.19	1.49	1.13

High Current Toroid Inductors

5700 Series Equivalents

- Low radiation • Low core loss
- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 257 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications

Quantity SAVE



Part No.	Cross Ref. No.	L (μH)	IDC max. (A)	L min. @ IDC	Pricing				
					1	10	25	50	100
208258CG	5701	10	11.0	5	\$3.99	\$3.05	\$2.74	\$2.26	\$1.70
208266CG	5702	25	5.5	12	4.19	3.77	3.21	2.56	1.92
208311CG	5711	50	9.5	25	4.95	4.46	3.79	3.03	2.27
208303CG	5707	75	5.0	40	4.35	3.75	3.37	2.78	2.09
208274CG	5703	125	2.75	70	3.99	3.05	2.74	2.26	1.70
208320CG	5712	150	4.75	85	4.35	3.75	3.19	2.55	1.91
208282CG	5704	275	2.0	150	3.99	3.05	2.74	2.26	1.70
208291CG	5705	450	1.5	250	4.35	3.28	2.95	2.44	2.21

TRIAD

Inductors

- Lead wires
- High pot tested @ 1500Vrms
- Inductance tolerance: -20% to +50%

U Case Type

- Lug terminals

Part No.	Product No.	DC Current (A)	Inductance (H)	Resistance (Ω)	Dimensions (H" x W" x L")	Pricing		
						1	10	100
618329CG	C-59U	12.5	.01	.10	3.5 x 4.1 x 3	\$38.95	\$30.46	\$28.94
618337CG	C-80U	20/40	.024/.006	.10/.025	5.3 x 4.6 x 5.5	92.15	90.89	86.35

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors

TRIAD

High Current Rod Core Inductors

- Rated current @ 40°C temperature rise



Fig. 1

Part No.	Product No.	Inductance (mH) ±15%	DC Rated Current (A)	DCR (Ω) max.	Lead Diameter	Pricing		
						1	10	100
629466CG	Firch-2	3.05	9.7	7.3	0.045"	\$2.35	\$1.53	\$1.41
629482CG	Firch-6	7.22	4.8	26.1	0.028"	2.35	1.53	1.41

Fig. 2

Part No.	Product No.	Inductance 10%	DC Rated Current (A)	DCR (Ω) max.	Pricing		
					1	10	100
630256CG	RC-10	100μH	2.0	0.098	\$2.35	\$1.91	\$1.76
630264CG	RC-11	75μH	2.5	0.070	2.35	1.70	1.56
630301CG	RC-7	450μH	1.0	0.420	2.35	1.70	1.56

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors

Over 99% of Our Catalog Products Are In Stock

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend
 New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
387364CG	2320-V	470.0	3.8	0.13	0.54	0.034	\$2.19	\$1.49	\$1.13
386783CG	2320-H	470.0	3.8	0.13	1.16	0.034	2.19	1.49	1.13
387381CG	2321-V	560.0	3.6	0.14	0.54	0.034	2.19	1.49	1.13
386812CG	2321-H	560.0	3.6	0.14	1.16	0.034	2.19	1.49	1.13
387410CG	2322-V	680.0	3.4	0.15	0.54	0.034	2.19	1.49	1.13
386839CG	2322-H	680.0	3.4	0.15	1.16	0.034	2.19	1.49	1.13
387436CG	2323-V	820.0	2.6	0.27	0.53	0.027	2.19	1.49	1.13
386855CG	2323-H	820.0	2.6	0.27	1.14	0.027	2.19	1.49	1.13
388041CG	2324-V	1000.0	2.4	0.30	0.53	0.027	2.19	1.49	1.13
386880CG	2324-H	1000.0	2.4	0.30	1.14	0.027	2.19	1.49	1.13

JAMECO ValuePro

Chip Inductors (SMD)

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- Flat top surface for automated pick and place



PM0805/PM1008

PM0805 Series Equivalents

Part No.	Cross Ref. No.	L (nH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663592CG	0805-2N2M	2.2	15	6000	0.08	600	\$.25	\$.225	\$.195
663605CG	0805-3N3M	3.3	35	6000	0.08	600	.25	.225	.195
663592CG	0805-2N2M	2.2	15	6000	0.08	600	.25	.225	.195
663605CG	0805-3N3M	3.3	35	6000	0.08	600	.25	.225	.195
663613CG	0805-6N8M	6.8	50	5500	0.11	600	.25	.225	.195
663621CG	0805-8N2M	8.2	35	4700	0.12	600	.25	.225	.195
663630CG	0805-12NM	12.0	50	4000	0.15	600	.25	.225	.195
663648CG	0805-18NM	18.0	50	3300	0.2	600	.25	.225	.195
663656CG	0805-27NM	27.0	55	2500	0.25	500	.25	.225	.195
663664CG	0805-33NM	33.0	60	2050	0.27	500	.25	.225	.195
663672CG	0805-39NM	39.0	60	2000	0.29	500	.25	.225	.195
663681CG	0805-47NM	47.0	60	1650	0.31	500	.25	.225	.195
663699CG	0805-56NK	56.0	60	1550	0.34	500	.25	.225	.195
663701CG	0805-68NK	68.0	60	1450	0.38	500	.25	.225	.195
663710CG	0805-82NK	82.0	60	1300	0.42	400	.25	.225	.195

PM1008 Series Equivalents

Part No.	Cross Ref. No.	L (nH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663736CG	1008-10NM	10	50	4100	0.08	1000	\$.25	\$.166	\$.152
663744CG	1008-12NM	12	50	3300	0.09	1000	.25	.166	.152
663752CG	1008-15NM	15	50	2500	0.10	1000	.25	.166	.152
663761CG	1008-18NM	18	50	2500	0.11	1000	.25	.166	.152
663779CG	1008-22NM	22	55	2400	0.12	1000	.25	.166	.152
663787CG	1008-27NM	27	55	1600	0.13	1000	.25	.166	.152
663795CG	1008-33NM	33	60	1600	0.14	1000	.25	.166	.152
663808CG	1008-39NM	39	60	1500	0.15	1000	.25	.166	.152
663816CG	1008-47NM	47	65	1500	0.16	1000	.25	.166	.152
663824CG	1008-56NK	56	65	1300	0.18	1000	.25	.166	.152
663832CG	1008-68NK	68	65	1300	0.20	1000	.25	.166	.152
663841CG	1008-82NK	82	60	1000	0.22	1000	.25	.166	.152
663859CG	1008-R10K	100	60	1000	0.56	650	.25	.166	.152
663867CG	1008-R12K	120	60	950	0.63	650	.25	.166	.152
663875CG	1008-R15K	150	45	850	0.70	580	.25	.166	.152
663883CG	1008-R18K	180	45	750	0.77	620	.25	.166	.152
663891CG	1008-R22K	220	45	660	0.84	500	.25	.166	.152
663904CG	1008-R27K	270	45	600	0.91	500	.25	.166	.152
663912CG	1008-R33K	330	45	570	1.05	450	.25	.166	.152
663921CG	1008-R39K	390	45	500	1.12	470	.25	.166	.152
663939CG	1008-2R7K	2700	22	80	3.20	290	.25	.166	.152
663947CG	1008-3R3K	3300	22	60	3.40	290	.25	.166	.152
663955CG	1008-3R9K	3900	20	60	3.60	260	.25	.166	.152
663963CG	1008-4R7K	4700	18	60	4.00	260	.25	.166	.152

JAMECO ValuePro

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- Flat top surface for automated pick and place



PM1210/PM1812

PM1210 Series Equivalents

- Molded for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Ferrite bobbin core

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
663971CG	1210-1R0J	1.0	30	120	0.70	400	\$.28	\$.261	\$.166
663980CG	1210-1R2J	1.2	30	100	0.75	390	.28	.261	.166
663998CG	1210-1R5J	1.5	30	85	0.85	370	.28	.261	.166
664000CG	1210-1R8J	1.8	30	80	0.90	350	.28	.261	.166
664018CG	1210-2R2J	2.2	30	75	1.00	320	.28	.261	.166
664026CG	1210-2R7J	2.7	30	70	1.10	290	.28	.261	.166
664034CG	1210-3R3J	3.3	30	60	1.20	260	.28	.261	.166
664042CG	1210-3R9J	3.9	30	55	1.30	250	.28	.261	.166
664051CG	1210-4R7J	4.7	30	50	1.50	220	.28	.261	.166
664069CG	1210-5R6J	5.6	30	45	1.60	200	.28	.261	.166
664077CG	1210-6R8J	6.8	30	40	1.80	180	.28	.261	.166
664085CG	1210-8R2J	8.2	30	35	2.00	170	.28	.261	.166
664093CG	1210-100J	10.0	30	30	2.10	150	.28	.261	.166
664106CG	1210-120J	12.0	30	20	2.50	140	.28	.261	.166
664114CG	1210-150J	15.0	30	20	2.80	130	.28	.261	.166
664122CG	1210-180J	18.0	30	20	3.30	120	.28	.261	.166
664131CG	1210-220J	22.0	30	20	3.70	110	.28	.261	.166
664149CG	1210-270J	27.0	30	20	5.00	80	.28	.261	.166
664157CG	1210-330J	33.0	30	17	5.60	70	.28	.261	.166
664165CG	1210-390J	39.0	30	16	6.40	65	.28	.261	.166
664173CG	1210-470J	47.0	30	15	7.00	60	.28	.261	.166
664181CG	1210-560J	56.0	30	13	8.00	55	.28	.261	.166
664190CG	1210-680J	68.0	30	12	9.00	50	.28	.261	.166
664202CG	1210-820J	82.0	30	11	10.00	45	.28	.261	.166
664211CG	1210-101J	100	20	10	10.00	40	.28	.261	.166
664229CG	1210-121J	120	20	10	11.00	70	.28	.261	.166
664237CG	1210-151J	150	20	8	15.00	65	.28	.261	.166
664245CG	1210-181J	180	20	7	17.00	60	.28	.261	.166
664253CG	1210-221J	220	20	7	21.00	50	.28	.261	.166

PM1812 Series Equivalents

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
643014CG	1812-R10K	0.10	35	300	0.18	800	\$.25	\$.225	\$.176
643022CG	1812-R12K	0.12	35	280	0.20	770	.25	.225	.176
643031CG	1812-R15K	0.15	35	250	0.22	730	.25	.225	.176
643049CG	1812-R18K	0.18	35	220	0.24	700	.25	.225	.176
643057CG	1812-R22K	0.22	40	200	0.25	665	.25	.225	.176
643065CG	1812-R27K	0.27	40	180	0.26	635	.25	.225	.176
643073CG	1812-R33K	0.33	40	165	0.28	605	.25	.225	.176
643081CG	1812-R39K	0.39	40	150	0.30	575	.25	.225	.176
643090CG	1812-R47K	0.47	40	145	0.32	545	.25	.225	.176
643102CG	1812-R56K	0.56	40	140	0.36	520	.25	.225	.176
643111CG	1812-R68K	0.68	40	135	0.40	500	.25	.225	.176
643129CG	1812-R82K	0.82	40	130	0.45	475	.25	.225	.176
643137CG	1812-1R0J	1.0	50	100	0.50	450	.25	.225	.176
643145CG	1812-1R2J	1.2	50	80	0.55	430	.25	.225	.176
643153CG	1812-1R5J	1.5	50	70	0.60	410	.25	.225	.176
643161CG	1812-1R8J	1.8	50	60	0.65	390	.25	.225	.176
643170CG	1812-2R2J	2.2	50	55	0.70	380	.25	.225	.176
643188CG	1812-2R7J	2.7	50	50	0.75	370	.25	.225	.176
643196CG	1812-3R3J	3.3	50	45	0.80	355	.25	.225	.176
643209CG	1812-3R9J	3.9	50	40	0.90	330	.25	.225	.176
643217CG	1812-4R7J	4.7	50	35	1.00	315	.25	.225	.176

Chip Inductors (SMD) (Continued)

PM1812 Series Equivalents

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture

Part No.	Cross Ref. No.	L (μH)	Q (min.)	SRF (MHz) min.	DCR Ω max.	Current (mA)	Pricing		
							1	10	100
643225CG	1812-5R6J	5.6	50	33	1.10	300	\$.25	\$.225	\$.176
643233CG	1812-6R8J	6.8	50	27	1.20	285	.25	.225	.176
643241CG	1812-8R2J	8.2	50	23	1.40	270	.25	.225	.176
643250CG	1812-100J	10.0	50	20	1.50	250	.25	.225	.176
643268CG	1812-120J	12.0	50	18	2.00	225	.25	.225	.176
643276CG	1812-150J	15.0	50	17	2.50	200	.25	.225	.176
643284CG	1812-180J	18.0	50	15	2.80	190	.25	.225	.176
643292CG	1812-220J	22.0	50	13	3.20	180	.25	.225	.176
643305CG	1812-270J	27.0	50	12	3.60	170	.25	.225	.178
643313CG	1812-330J	33.0	50	11	4.00	160	.25	.225	.176
643321CG	1812-390J	39.0	50	10	4.50	150	.25	.225	.176
643330CG	1812-470J	47.0	50	10	5.00	140	.25	.225	.176
643348CG	1812-560J	56.0	50	9	5.50	135	.25	.225	.176
643356CG	1812-680J	68.0	50	9	6.00	130	.25	.225	.176
643364CG	1812-820J	82.0	50	8	7.00	120	.25	.225	.176
643372CG	1812-101J	100	40	8	8.00	110	.25	.225	.176
643381CG	1812-121J	120	40	6	8.00	110	.25	.225	.176
643399CG	1812-151J	150	40	5	9.00	105	.25	.225	.176
643401CG	1812-181J	180	40	5	9.50	105	.25	.225	.176
643410CG	1812-221J	220	40	4	10.00	100	.25	.225	.176
643428CG	1812-271J	270	30	4	12.00	92	.25	.225	.176
643436CG	1812-331J	330	40	3.5	14.00	85	.25	.225	.176
643444CG	1812-391J	390	40	3	16.00	80	.25	.225	.176
643452CG	1812-471J	470	40	3	26.00	62	.25	.225	.176
643461CG	1812-561J	560	30	3	30.00	50	.25	.225	.176
643479CG	1812-681J	680	30	3	30.00	50	.25	.225	.176
643487CG	1812-821J	820	30	2.5	35.00	30	.25	.225	.176
643495CG	1812-102J	1000	25	2.5	40.00	30	.25	.225	.176

SMD: Affordable Prototyping Tools Are Available

Whether you like working with SMD boards or not, the technology is here to stay. And while many prototyping efforts can be completed in DIP configurations, as you're probably well-aware, some technologies are only available in SMD packaging.

I avoided SMD boards for many years, but have found that the chore is much more palatable with the proper equipment. The biggest difficulty in soldering and desoldering SMD components is getting the right amount of heat to each of the device's connections simultaneously and evenly.

Affordable soldering stations now exist making this process a lot easier than it used to be. Take the Hot Air SMD Rework Station on page 320 for instance. For under \$400, this system electronically controls the temperature blown on your device. A powerful diaphragm pump provides up to 28 liters of air per minute. Optional focus hood tips are also available to direct the air precisely where you want it for numerous package configurations.

And if you're looking to remove SMD devices, be sure to check out CHIP QUIK's SMD Removal kits, also on page 320. Each kit provides the materials you need to properly clean up SMD solder pads.

Be sure to consider each of these helpful tools next time you're thinking about SMD.

Practical Practices
Money Saving Tips for the Engineer

JAMECO ValuePro

Molded RF Chokes



9230 Series Equivalents

- High Q and high reliability
- Miniature size
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: phenolic -55°C to +125°C, iron/ferrite -55°C to +105°C
- Overall length: 2.25"
- Lead length: 1.0"
- Body length: 0.25"
- Body diameter: 0.095"

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing		
							1	10	100
372285CG	9230-94	0.10	690	0.07	1100	Phenolic	\$.84	\$.55	\$.37
372293CG	9230-00	0.15	600	0.10	1100	Phenolic	.65	.41	.29
372306CG	9230-04	0.22	510	0.14	935	Phenolic	.81	.51	.33
372314CG	9230-10	0.39	380	0.30	640	Phenolic	.82	.51	.33
372322CG	9230-12	0.47	340	0.35	590	Phenolic	.81	.51	.33
372331CG	9230-14	0.56	300	0.50	495	Phenolic	.84	.76	.62
372349CG	9230-16	0.68	275	0.60	450	Phenolic	.81	.51	.33
372357CG	9230-20	1.0	230	1.0	350	Phenolic	.81	.51	.33
372365CG	9230-32	3.3	90	0.85	380	Iron	.88	.55	.40
372373CG	9230-34	3.9	82	1.0	350	Iron	1.09	.98	.82
372381CG	9230-36	4.7	75	1.2	320	Iron	.88	.55	.40
372390CG	9230-44	10.0	50	3.7	180	Iron	1.01	.62	.45
372402CG	9230-52	22.0	25	3.3	190	Iron	1.03	.63	.46
372411CG	9230-56	33.0	24	3.4	187	Ferrite	1.09	.68	.48
372429CG	9230-64	68.0	15	6.7	135	Ferrite	1.09	.68	.48
372437CG	9230-68	100	13	8.0	125	Ferrite	1.19	.74	.53
372445CG	9230-70	120	12	13.0	97	Ferrite	1.45	1.31	1.06

JAMECO ValuePro

Molded RF Chokes



9250 Series Equivalents

- High Q and high reliability
- Ferrite magnetic shielded for low radiation
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: -55°C to +105°C

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing		
							1	10	100
372453CG	9250-102	1.0	140	0.07	1070	Iron	\$1.59	.97	.68
372461CG	9250-222	2.2	100	0.19	650	Iron	1.59	.97	.68
372470CG	9250-472	4.7	70	0.55	380	Iron	1.59	.97	.68
372488CG	9250-103	10.0	46	1.62	220	Iron	1.59	.97	.68
372496CG	9250-223	22.0	41	0.96	290	Ferrite	1.59	.97	.68
372509CG	9250-473	47.0	27	2.11	195	Ferrite	1.75	1.07	.75
372517CG	9250-104	100.0	10	3.12	160	Ferrite	1.89	1.17	.82
372525CG	9250-224	220.0	7.5	5.0	125	Ferrite	1.89	1.17	.82
372533CG	9250-474	470.0	5.7	9.5	92	Ferrite	1.89	1.17	.82
372541CG	9250-105	1000.0	3.8	17.5	70	Ferrite	1.89	1.17	.82
372550CG	9250-225	2200.0	0.97	33.8	50	Ferrite	2.19	1.34	.94
372568CG	9250-106	10,000.0	0.47	137.0	24	Ferrite	2.35	1.44	1.01

JAMECO ValuePro

Hash RF Chokes



5200 Series Equivalents

- Low cost
- Low DCR
- High current capacity
- Varnish coated
- Ideal for use as EMI filter, output choke, smoothing coil

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	Res. Freq. Min. (Hz)	DCR Max. (Ω)	Current (mA)	Pricing		
						1	10	100
642396CG	5230	4	7.96M	0.012	8.0	\$1.49	\$.92	\$.66
642409CG	5240	40	1.0kHz	0.082	3.0	1.49	.92	.66
681088CG	5250	100	1.0kHz	0.216	2.0	1.05	1.00	.69
681070CG	5252	125	1.0kHz	0.08	3.5	1.75	1.07	.76
642417CG	5254	250	1.0kHz	0.17	2.5	1.55	1.23	.88
642425CG	5256	500	1.0kHz	0.25	2.0	1.75	1.07	.75
642433CG	5258	1000	1.0kHz	0.6	1.0	1.79	1.10	.77

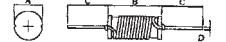
JAMECO ValuePro

Axial Leaded RF Chokes



4600 Series Equivalents

- Inductive tolerance: 10%
- Operating temperature: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19.0mm max.
C = 25.0 \pm 2.0mm; D = 0.65 \pm 0.5mm



Part No.	Cross Ref. No.	L (μ H) @ 1kHz	Q min.	SRF (MHz) min.	DCR Ω max.	IDC (mA)	Pricing		
							1	10	100
208063CG	4602	1	60	190	0.05	2000	\$.75	\$.68	\$.51
208071CG	4604	1.5	58	149	0.093	1800	.75	.68	.51
208080CG	4606	2.4	56	120	0.19	1500	.75	.68	.51
208098CG	4608	3.9	60	93	0.45	1000	.75	.68	.51
208101CG	4609	5.5	57	80	0.67	850	.75	.68	.51
208119CG	4610	6.2	57	76	0.83	700	.75	.68	.51
208127CG	4611	8.2	57	65	1.2	600	.75	.64	.48
208135CG	4612	10	36	61	1.5	500	.75	.64	.48
642345CG	4626	24	65	25	0.34	800	.75	.68	.58

JAMECO ValuePro

High Current Axial RF Chokes

- High current capacity
- Low DCR
- Ferrite bobbin core
- Test frequency: 1kHz





5800 Series Equivalents

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	DCR Max. (Ω)	DC Current Max. (A)	Pricing		
					1	10	100
642548CG	5800-3R9	3.9	0.019	1.28	\$1.19	\$.72	\$.51
642556CG	5800-8R2	8.2	0.028	1.28	1.19	.72	.51
642564CG	5800-100	10	0.033	1.28	1.19	.72	.51
642572CG	5800-470	47	0.109	0.804	1.19	.72	.51
642581CG	5800-560	56	0.14	0.804	1.19	.72	.51
642599CG	5800-820	82	0.152	0.804	1.19	.72	.51
642601CG	5800-101	100	0.208	0.632	1.19	.72	.51
642610CG	5800-121	120	0.283	0.508	1.19	.72	.51
642628CG	5800-151	150	0.34	0.508	1.19	.72	.51
642636CG	5800-181	180	0.362	0.508	1.19	.72	.51
642644CG	5800-221	220	0.43	0.508	1.19	.72	.51
642652CG	5800-271	270	0.557	0.4	1.19	.72	.51
642661CG	5800-331	330	0.665	0.4	1.19	.72	.51
642679CG	5800-391	390	0.772	0.4	1.19	.72	.51
642687CG	5800-471	470	1.15	0.315	1.19	.72	.51
642695CG	5800-102	1000	2.30	0.200	1.19	.72	.51
642708CG	5800-152	1500	3.45	0.158	1.19	.72	.51
642716CG	5800-222	2200	4.48	0.158	1.19	.72	.51
642724CG	5800-472	4700	10.5	0.1	1.19	.72	.51
642732CG	5800-602	6800	16.3	0.082	1.19	.72	.51
642741CG	5800-103	10,000	26.4	0.05	1.19	.72	.51

5900 Series Equivalents

Part No.	Cross Ref. No.	L (μ H)	DCR Max. (Ω)	DC Current Max. (A)	Pricing		
					1	10	100
642759CG	5900-100	10	0.017	8.7	\$2.09	\$1.28	\$.90
642767CG	5900-220	22	0.026	6.07	2.09	1.28	.90
642775CG	5900-470	47	0.035	4	2.09	1.28	.90
642783CG	5900-560	56	0.037	3.66	2.09	1.28	.90
642791CG	5900-101	100	0.09	2.79	2.09	1.28	.90
642804CG	5900-121	120	0.113	2.54	2.09	1.28	.90
642812CG	5900-151	150	0.129	2.22	2.09	1.28	.90
642821CG	5900-221	220	0.162	1.89	2.09	1.28	.90
642839CG	5900-271	270	0.208	1.63	2.09	1.28	.90
642847CG	5900-331	330	0.212	1.51	2.09	1.28	.90
642855CG	5900-391	390	0.281	1.39	2.09	1.28	.90
642863CG	5900-471	470	0.38	1.2	2.09	1.28	.90
642871CG	5900-681	680	0.548	1	2.09	1.28	.90
642880CG	5900-102	1000	0.844	0.8	2.09	1.28	.90
642898CG	5900-152	1500	1.18	0.7	2.09	1.28	.90
642901CG	5900-472	4700	3.19	0.4	2.09	1.28	.90
642919CG	5900-682	6800	5.69	0.322	2.09	1.28	.90
642927CG	5900-103	10,000	7.3	0.266	3.19	1.97	1.39

30-Day Money-Back Guarantee

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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JAMECO ValuePro

Conformal Coated RF Chokes

5300 Series Equivalents

- High current and high self-resonant frequency
- Low DCR
- Low cost
- Epoxy coated to protect winding from harsh environments

Part No.	Cross Ref. No.	L ±10% (μH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing		
						1	10	100
644332CG	5300-03	1.5	160.0	0.019	3300	\$1.29	\$1.16	\$1.00
644341CG	5300-10	5.6	64.0	0.074	1600	1.29	1.16	1.00
644367CG	5300-13	10.0	25.0	0.095	1500	1.29	1.16	1.00
644375CG	5300-17	22.0	8.4	0.19	1000	1.29	1.16	1.00
642476CG	5300-19	33.0	7.6	0.24	910	1.29	1.16	1.00
642492CG	5300-25	100.0	3.9	0.67	550	1.29	1.16	1.00
642530CG	5300-33	470.0	1.4	3.4	240	1.29	1.16	.88

JAMECO ValuePro

Epoxy Conformal Coated RF Chokes

77F Series Equivalents

- High current and self-resonant frequency
- Low DCR
- Low cost
- Dielectric strength: 550Vrms
- Operating temp.: -55°C to +105°C
- Color bands identification
- Body length: 0.41"
- Overall length: 2.41"
- Lead length: 1.0"
- Body diameter: 0.157"

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing		
						1	10	100
371995CG	77F6R8	6.8	68.0	0.48	550	\$.43	\$.39	\$.32
372007CG	77F100	10.0	45.0	0.58	500	.43	.39	.32
372015CG	77F270	27.0	7.6	0.94	390	.43	.39	.32
372023CG	77F330	33.0	6.3	1.03	370	.43	.39	.32
372031CG	77F470	47.0	6.3	1.22	340	.43	.39	.32
372040CG	77F820	82.0	5.3	1.62	290	.43	.39	.32
372058CG	77F101	100.0	4.8	1.80	275	.43	.39	.32
372066CG	77F221	220.0	3.0	5.10	155	.43	.39	.32
372074CG	77F331	330.0	2.6	6.40	137	.43	.39	.32
372082CG	77F391	390.0	2.4	7.00	133	.43	.39	.32
372091CG	77F102	1000.0	1.4	14.0	100	.43	.39	.32

* L (μH) ±5%

78F Series Equivalents

- High Q and self-resonant frequency
- Low DCR
- Low cost
- Dielectric strength: 500Vrms
- Color bands identification
- Body length: 0.28"
- Operating temp.: -55°C to +105°C
- Overall length: 2.28"
- Lead length: 1.0"
- Body diameter: 0.11"

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing		
						1	10	100
372103CG	78FR68	0.68	250	0.12	495	\$.42	\$.26	\$.173
372111CG	78F1R0	1.0	180	0.15	385	.42	.26	.173
372120CG	78F1R8	1.8	125	0.25	455	.42	.26	.173
372138CG	78F2R7	2.7	95	0.30	355	.42	.26	.173
372146CG	78F3R3	3.3	70	0.34	270	.42	.26	.173
372154CG	78F4R7	4.7	50	0.35	230	.42	.26	.173
372162CG	78F8R2	8.2	28	0.55	155	.42	.26	.173
372171CG	78F100	10.0	22	0.72	130	.42	.26	.173
372189CG	78F120	12.0	20	0.80	155	.42	.26	.173
372197CG	78F220	22.0	13	1.20	140	.42	.26	.173
372200CG	78F270	27.0	11	1.35	135	.42	.26	.173
372218CG	78F330	33.0	10	1.50	195	.42	.26	.173
372226CG	78F390	39.0	9.5	1.70	185	.42	.26	.173
372234CG	78F470	47.0	8.5	2.30	167	.42	.26	.173
372242CG	78F101	100.0	5.5	3.50	125	.42	.26	.173
372251CG	78F121	120.0	5.4	3.80	100	.42	.26	.173
372269CG	78F221	220.0	4.0	5.70	76	.42	.26	.173
372277CG	78F471	470.0	2.5	11.60	53	.42	.26	.173

* L (μH) ±5%

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Tolerance: 5%
- Size: A = 3.2mm max. B = 7.0mm max. C = 0.48±0.5mm (except P/N 208143CG: 0.50±0.05mm) D = 63±3mm

Quantity SAVE

Part No.	L (μH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing		
							1	10	100
208143CG	10	60	7.96	28.7	1.56	670	\$.49	\$.45	\$.39
208151CG	27	50	2.52	10.2	2.39	410	.42	.34	.168
208160CG	33	50	2.52	8.4	2.71	380	.49	.45	.338
208178CG	47	50	2.52	6.9	3.3	330	.42	.341	.173
208186CG	82	45	2.52	5.4	4.62	240	.42	.213	.16
208194CG	100	45	2.52	5.0	4.98	240	.49	.45	.39
208207CG	220	45	0.796	3.3	9.23	180	.42	.341	.173
208215CG	330	45	0.796	2.7	13.2	140	.42	.213	.16
208223CG	470	45	0.796	2.2	21.4	120	.42	.341	.173
208231CG	820	45	0.796	1.7	28.4	90	.42	.213	.16
208240CG	1000	45	0.796	1.5	31.3	80	.49	.45	.39

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Operating temp.: -30°C ~ +130°C
- Maximum allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

Blue Part No. = Limited Quantity Available

Quantity SAVE

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing			
					1	10	100	500
207521CG	NTC-101	100	3100	-3.5	\$.52	\$.47	\$.35	\$.30
207511CG	NTC-201	200	3100	-3.5	.52	.47	.36	.34
207503CG	NTC-301	300	3100	-3.5	.52	.47	.35	.26
207491CG	NTC-501	500	3100	-3.5	.52	.47	.35	.26
207482CG	NTC-102	1k	3800	-4.3	.59	.49	.39	.32
207474CG	NTC-202	2k	3800	-4.3	.52	.47	.35	.26
207466CG	NTC-302	3k	3900	-4.4	.52	.47	.35	.26
207458CG	NTC-402	4k	3900	-4.4	.52	.47	.35	.26
207440CG	NTC-502	5k	3900	-4.4	.59	.49	.39	.29
207036CG	NTC-103	10k	4100	-4.6	.59	.49	.39	.32
207029CG	NTC-153	15k	4100	-4.6	.59	.49	.39	.32
207010CG	NTC-203	20k	4200	-4.7	.59	.49	.39	.32
207001CG	NTC-503	50k	4200	-4.7	.59	.49	.39	.32
206990CG	NTC-104	100k	4400	-4.9	.59	.49	.39	.32
206981CG	NTC-204	200k	4500	-5.1	.59	.49	.39	.32

Modem Coupling Transformers

125356CG:

- ±20% impedance matching and DC resistance matching
- Insulation resistance: 100MΩ
- Vacuum wax impregnated
- Core type: EI-14
- Hipot tested: 1000VAC

117760CG:

- Dielectric strength: 1250VAC
- Insertion loss: 2.50dB @ 1kHz

Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125356CG	XFR6006A14	600CT	600CT	65	55	\$1.35	\$1.28	\$1.17
117760CG	671-8014	600	600	108	120	1.99	1.69	1.27

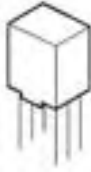
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TRIAD

Audio Transformers

- Epoxy molded case
- Gold plated leads
- Meets the rigid requirements of MIL-T-27E
- High pot tested @ 1000Vrms
- 150VDC working voltage



Part No.	Prod. No.	No. of Circuits	Power Level	Matching Impedance (Ω)		Primary DC mA max.	Resistance (Ω)		Overall Turn Ratio	Pricing		
				Primary	Secondary		Primary	Secondary		1	10	100
630387CG	SP-5♣	3	25	50,000CT	1000CT	0	3800	75	7.1:1	\$19.95	\$15.36	\$12.13
630328CG	SP-20♣	3	50	10,000CT	1200CT	1	1050	200	2.88:1	17.15	14.05	11.96
630336CG	SP-21♣	3	550	10,000CT	2000CT	1	1050	300	2.24:1	17.45	14.30	13.63
630344CG	SP-29♣	3	50	10,000CT	500CT	1	1050	80	4.47:1	18.59	14.22	12.37
630361CG	SP-33	1	50	1000	50	3	145	80	4.4:1	16.39	10.79	9.90
630379CG	SP-49♣	2	50	300	600	7	41	98	1:1.42	20.89	14.21	12.61
630395CG	SP-51♣	2	50	900CT	600	4	104	96	1.22:1	18.19	11.96	10.97
630408CG	SP-52♣	2	50	1500CT	600	3	168	92	1.58:1	20.25	13.76	12.21
630416CG	SP-66♣	3	50	10,000CT	10,000CT	1	1000	1300	1:1	16.09	10.60	9.72
630424CG	SP-70♣	1	50	600	600	3	72	92	1:1	16.65	10.95	10.04
630352CG	SP-310♣	—	—	0.1H	—	5	15	—	—	2.95	2.41	2.18

TRIAD

Data Voice Coupling Transformers

- Meets requirements for access over leased private lines or through dial-up switched telephone network
- Applications: impedance matching, isolation, repeat coil, line balancing, and hybrid circuits
- Designed to meet FCC part 68.310: 60dB min., 200-1000Hz; 45dB min., 1000-4000Hz
- Dielectric strength FCC68.304: 1500V • Power level: -45dBm to +7dBm
- Frequency range: data voice: 300 – 3500Hz; data: 800 to 3500Hz



Data/Voice Coupling Transformers

- Typical frequency response: ±0.5

* Split

Part No.	Prod. No.	Impedance (Ω)		DC Current (mA) max.	Typical Loss dB		Pricing		
		Primary	Secondary		Insertion	Return	1	10	100
630491CG	TY-303P♣	4000	600	0	1.0	26	\$5.29	\$4.03	\$3.52
630504CG	TY-305P♣	600	600	100	1.5	10	10.39	6.85	6.28
630512CG	TY-306P♣	600*	600	75	1.5	10	10.39	6.85	6.28
630521CG	TY-307P♣	600	600	0	1.0	26	6.09	4.01	3.68
630539CG	TY-400P♣	600	600	90	1.75	15	7.95	5.22	4.78
630547CG	TY-401P♣	600CT	600CT	90	1.75	15	7.95	5.22	4.78
630555CG	TY-402P♣	600	600	90	1.75	13	6.55	4.32	3.96
630563CG	TY-403P♣	600	600*	90	1.75	13	6.55	4.32	3.96

Data/Voice Dual Transformer Hybrid

630475CG: Trans-hybrid loss: 50dB

630483CG: Trans-hybrid loss: 55dB

Part No.	Prod. No.	Impedance (Ω)		DC Current (mA) max.	Typical Loss dB		Pricing		
		Primary	Secondary		Insertion	Return	1	10	100
630475CG	TY-300P♣	600 (4W)	600/600	0	0.8	30	\$5.29	\$3.48	\$3.19
630483CG	TY-302P♣	600 (4W)	600/600	0	0.65	32	7.95	5.22	4.78

TRIAD

PC Mount Audio Transformers

- Impedance matching: 10% over frequency range
- Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation, & input
- Size: 5/8"H x 9/32"D x 13/16"L



Part No.	Product No.	Output (mW)	Impedance (Ω)		Primary DC Unbalance	Pricing		
			Primary	Secondary		1	10	100
630432CG	TY-141P♣	200	10,000CT	10,000CT	4mA	\$3.59	\$2.74	\$2.39
630441CG	TY-142P♣	100	10,000CT	2,000CT	4mA	3.69	2.82	2.47
630459CG	TY-145P	100	600CT	600CT	15mA	3.59	2.74	2.52

- Size: 1-1/8"H x 1-1/8"D x 1-3/8"L

Part No.	Product No.	Output (W)	Impedance (Ω)		Primary DC Unbalance	Pricing		
			Primary	Secondary		1	10	100
630467CG	TY-146P♣	1	600CT/150	600CT/150	—	\$6.65	\$5.09	\$4.42

Littelfuse

BA Series Metal Oxide Varistor

- Bolt-down mount
- Bidirectional clamping polarity

BA Series		Max. Ratings (+85°C)			Characteristics at 25°C			Pricing		
		Continuous RMS Volt.	DC Volt.	Transient Energy (2ms)	Varistor Voltage at 1mA DC Test Current	MIN	MAX	1	10	100
Part No.	Cross Ref. No.	V _{M(AC)} Volts	V _{M(DC)} Volts	W _{TM} Joules	V _{N(DC)} Volts	MIN	MAX	1	10	100
638223CG	V481BA60	480	640	1600	670	750	825	\$103.25	\$98.06	\$93.16

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Color Code Legend
 New Sale Lower\$ QtySave

LA Series Equivalent Radial Leaded Varistors

JAMCO
ValuePro

A Jamco
EXCLUSIVE



* Prepackaged: please order in increments of 10 or 100



Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage		Transient Energy Joules	Maximum Clamping Voltage		Pricing		
			RMS V _{M(AC)}	DC V _{M(DC)}		V _C	I _{PK} (A)	1	10	100
667032CG	V130LA2R	7	130	200	17.5	340	10	* .15	.112	
667091CG	V150LA2R	7	150	240	21	395	10	* .13	.112	
667155CG	V275LA2R	7	275	430	40	710	10	* .13	.112	
667041CG	V130LA5R	10	130	200	35	340	25	* .16	.144	
667067CG	V140LA5R	10	140	220	39	360	25	* .158	.144	
667104CG	V150LA5R	10	150	240	42	395	25	* .15	.128	
667147CG	V250LA10R	10	250	390	70	650	25	* .16	.144	
667366CG	V130LA10AR	14	130	200	70	340	50	.21	.19	.168
667075CG	V140LA10AR	14	140	220	78	360	50	.26	.228	.198
667112CG	V150LA10AR	14	150	240	84	395	50	.26	.228	.198
667180CG	V320LA20AR	14	320	510	190	845	50	.26	.228	.198
667201CG	V420LA20AR	14	420	680	130	1120	50	.26	.228	.198
667227CG	V480LA40AR	14	485	780	148	1290	50	.34	.308	.269
667243CG	V510LA40AR	14	510	820	157	1355	50	.49	.435	.384
667059CG	V130LA20BR	20	130	200	140	340	100	.41	.359	.313
667121CG	V150LA20AR	20	150	240	170	395	100	.41	.359	.313
667163CG	V275LA40AR	20	275	430	303	710	100	.41	.359	.313
667198CG	V320LA40BR	20	320	510	382	845	100	.37	.33	.30
667219CG	V420LA40BR	20	420	680	23	1120	100	.52	.468	.416
667235CG	V480LA80BR	20	485	780	265	1290	100	.60	.58	.52
667251CG	V510LA80BR	20	510	820	282	1355	100	.62	.55	.472

LA Series Radial Leaded Varistors

- AC power line applications
- Power supplies
- High energy absorption
- UL recognized as "transient voltage surge suppressors"
- UL recognized as "across-the-line components"



LA Series		Size Dia. (mm)	Max. Ratings (+85°C)			Characteristics at 25°C		Pricing			
			Continuous RMS Volt.	DC Volt.	Transient Energy (10/1000µs)	Max Clamping Volt. @ I _{PK} Value Curr. (8/20µs)	V _C Volts	1	10	100	500
Part No.	Cross Ref. No.		V _{M(AC)} Volts	V _{M(DC)} Volts	W _{TM} Joules	V _C Volts	I _{PK} =2.0A Amps				
34446CG	V130LA10A	14	130	175	38	340	50	\$.29	\$.25	\$.22	\$.165
34471CG	V250LA20AR	14	250	330	72	650	50	.39	.35	.32	.30
34462CG	V130LA20A	20	130	175	70	340	100	.59	.56	.54	.52

Littelfuse

ZA Series Radial Leaded Varistor

- Through-hole mount
- Bidirectional clamping polarity

ZA Series		Size Dia. (mm)	Max. Ratings (+85°C)			Characteristics at 25°C		Pricing (100 pcs. minimum)		
			Continuous RMS Volt.	DC Volt.	Transient Energy (10/1000µs)	Maximum Clamping Voltage (8/20µs)	V _C Volts	100	250	500
Part No.	Cross Ref. No.		V _{M(AC)} Volts	V _{M(DC)} Volts	W _{TM} Joules	V _C Volts	I _{PK} Amps			
638231CG	V68ZA2♣	7	40	56	3	127	5	\$.204	\$.194	\$.18



ZA Series Equivalent Radial Leaded Varistors



* Prepackaged: please order in increments of 10 or 100



Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage		Transient Energy Joules	Maximum Clamping Voltage		Pricing		
			RMS V _{M(AC)}	DC V _{M(DC)}		V _C	I _{PK} (A)	1	10	100
667358CG	V18ZA05	5	11	18	0.3	40	1	* .15	.128	
666785CG	V22ZA05	5	14	22	0.4	80	1	.20	.166	.128
666831CG	V27ZA05	5	17	27	0.5	60	1	* .13	.112	
666996CG	V220ZA05	5	140	220	4.5	380	5	.25	.221	.192
667008CG	V330ZA05	5	210	330	6.5	580	5	.25	.221	.192
667016CG	V390ZA05	5	250	390	8	675	5	.23	.203	.182
667382CG	V18ZA1	7	11	18	0.8	36	2.5	* .15	.128	
666793CG	V22ZA1	7	14	22	0.9	43	2.5	.20	.166	.128
666873CG	V56ZA2	7	35	56	2.2	110	2.5	* .13	.112	
666890CG	V68ZA2	7	40	68	2.5	135	2.5	* .13	.112	
666961CG	V180ZA1	7	115	180	8	300	10	.20	.166	.128
666751CG	V18ZA2	10	11	18	1.5	36	5	* .16	.144	
666806CG	V22ZA2	10	14	22	2.04	43	5	* .16	.144	

* Prepackaged: please order in increments of 10 or 100

Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage		Transient Energy Joules	Maximum Clamping Voltage		Pricing		
			RMS V _{M(AC)}	DC V _{M(DC)}		V _C	I _{PK} (A)	1	10	100
666865CG	V47ZA3	10	47	38	4.5	93	5	* .16	.144	
666902CG	V68ZA3	10	40	68	6.5	135	5	* .16	.144	
666929CG	V82ZA4	10	50	82	8	135	25	.29	.253	.224
666970CG	V180ZA5	10	115	180	18	300	25	* .158	.144	
666769CG	V18ZA3	14	11	18	3.5	36	10	.26	.228	.198
666814CG	V22ZA3	14	14	22	4	43	10	.33	.294	.256
666857CG	V47ZA7	14	30	47	8.5	93	10	.26	.228	.198
666881CG	V56ZA8	14	35	56	10	110	10	.26	.228	.198
666911CG	V68ZA10	14	40	68	12	135	10	.26	.228	.198
666937CG	V82ZA12	14	50	82	14	135	50	.33	.294	.256
666945CG	V100ZA15	14	60	100	18	165	50	.26	.228	.198
666988CG	V180ZA10	14	115	180	30	300	50	.26	.228	.198
666777CG	V18ZA40	20	11	18	10	36	—	.41	.359	.313
666822CG	V24ZA50	20	14	22	13	43	—	.41	.356	.313
666849CG	V47ZA20	20	30	68	30	93	—	.41	.359	.313
666953CG	V150ZA20	20	95	150	50	250	—	.33	.292	.256

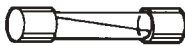


Glass and Ceramic Fuses

3AG Type Fast Acting Glass Fuses

312 Series

- 250V
- 1.25"L x 0.25"Dia.
- UL/CSA/CE



3AG-312



3AG-313



3AG-314

Part No.	Product No.	Amps	1	10	100
652826CG	312.062 HXP	1/16	\$.55	\$.485	\$.433
652834CG	312.100 HXP	1/10	\$.55	\$.485	\$.433
652842CG	312.125 HXP	1/8	\$.55	\$.485	\$.433
652851CG	312.175 HXP	0.175	\$.55	\$.485	\$.433
652869CG	312.187 HXP	3/16	\$.55	\$.485	\$.433
652877CG	312.200 HXP	2/10	\$.55	\$.485	\$.433
652885CG	312.250 HXP	1/4	\$.51	\$.447	\$.418
652893CG	312.300 HXP	3/10	\$.51	\$.447	\$.418
652914CG	312.500 HXP	1/2	\$.23	\$.209	\$.185
652949CG	312.001 HXP	1	\$.20	\$.161	\$.142
652957CG	312.125 HXP	1 1/4	\$.20	\$.162	\$.143
652965CG	312.015 HXP	1 1/2	\$.20	\$.162	\$.143
652973CG	312.002 HXP	2	\$.20	\$.162	\$.143
652981CG	312.025 HXP	2 1/2	\$.20	\$.162	\$.143
652990CG	312.003 HXP	3	\$.20	\$.162	\$.143

3AB Type Fast Acting Ceramic Fuses

314 Series

Part No.	Product No.	Amps	1	10	100
656827CG	314.125 HXP	1/8	\$.76	\$.68	\$.63
656835CG	314.250 HXP	1/4	\$.71	\$.64	\$.57
656843CG	314.500 HXP	1/2	\$.47	\$.452	\$.428
656851CG	314.750 HXP	3/4	\$.47	\$.452	\$.428
656860CG	314.001 HXP	1	\$.47	\$.447	\$.399
656878CG	314.002 HXP	2	\$.47	\$.447	\$.399
656886CG	314.003 HXP	3	\$.47	\$.447	\$.399
656894CG	314.004 HXP	4	\$.47	\$.447	\$.399
656915CG	314.005 HXP	5	\$.47	\$.418	\$.387
656923CG	314.006 HXP	6	\$.47	\$.418	\$.387
656931CG	314.007 HXP	7	\$.47	\$.418	\$.387
656940CG	314.008 HXP	8	\$.47	\$.418	\$.387
656958CG	314.010 HXP	10	\$.47	\$.418	\$.387
656966CG	314.012 HXP	12	\$.47	\$.418	\$.387
656974CG	314.015 HXP	15	\$.47	\$.418	\$.387
656982CG	314.020 HXP	20	\$.70	\$.63	\$.58
656991CG	314.025 HXP	25	\$.70	\$.63	\$.58
657002CG	314.030 HXP	30	\$.70	\$.63	\$.58

3AG Type Slow Blow Glass Fuses

313 Series

Part No.	Product No.	Amps	1	10	100
653301CG	313.100 HXP	1/10	\$1.10	\$.98	\$.89
653319CG	313.125 HXP	1/8	1.10	.98	.89
653327CG	313.150 HXP	15/100	1.10	.98	.89
653351CG	313.250 HXP	1/4	\$.67	.60	.542
653360CG	313.300 HXP	3/10	\$.67	.60	.542
653378CG	313.375 HXP	3/8	\$.67	.59	.542
653386CG	313.400 HXP	4/10	\$.67	.60	.542
653394CG	313.500 HXP	1/2	\$.53	.525	.512
653407CG	313.600 HXP	6/10	\$.53	.525	.512
653415CG	313.700 HXP	7/10	\$.53	.525	.512
653423CG	313.750 HXP	3/4	\$.53	.525	.512
653431CG	313.800 HXP	8/10	\$.53	.525	.512
653440CG	313.001 HXP	1	\$.53	.525	.512
653458CG	313.01.2 HXP	1 1/2	\$.67	.428	.393
653466CG	313.1.25 HXP	1 1/4	\$.49	.428	.393
653474CG	313.01.5 HXP	1 1/2	\$.49	.428	.393
653482CG	313.01.6 HXP	1 1/2	\$.49	.428	.393
653491CG	313.002 HXP	2	\$.49	.428	.393
653503CG	313.02.5 HXP	2 1/2	\$.49	.428	.393
653511CG	313.003 HXP	3	\$.49	.428	.393
653520CG	313.03.2 HXP	3 1/2	\$.49	.428	.393
653538CG	313.004 HXP	4	\$.52	.447	.409
653546CG	313.005 HXP	5	\$.52	.447	.409
653554CG	313.6.25 HXP	6 1/4	\$.52	.447	.409
653562CG	313.06.3 HXP	6.3	\$.52	.447	.409
653571CG	313.007 HXP	7	\$.49	.428	.393
653589CG	313.008 HXP	8	\$.49	.428	.393
653597CG	313.010 HXP	10	\$.60	.60	.59
653600CG	313.012 HXP	12	\$.60	.60	.59
653618CG	313.015 HXP	15	\$.60	.60	.59
653626CG	313.020 HXP	20	\$.71	.64	.59
653634CG	313.025 HXP	25	\$.71	.64	.59
653642CG	313.030 HXP	30	\$.71	.64	.59



Fuse Series



ATO® 257 Series

- Fast acting and Slo-Blo® type fuses
- Standard for automobiles & trucks

FLNR Fuses

- Dual-element, time-delay
- 250VAC

AC Midget — KLK Series

- For use in circuits w/ high AC fault current capacity

Class CC — CCMR Series

- Fast acting protection to equipment containing surge sensitive components

ATO® In-Line Fuse holders

- For use with ATO® Fuses 1-20A
- Supplied with (2) 4" wire leads/16AWG

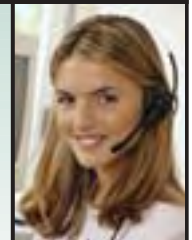
LR60060-3 Class R Fuse holder

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See Our Complete Littelfuse Offering at
www.Jameco.com/Prod/Littelfuse

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 343.

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

RA Series

- Rated voltage (V_{MAX}): 60V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

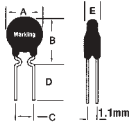


Fig. 1

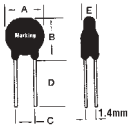


Fig. 2

Part No.	Mfg. P/N	Hold Curr. (I_H , A)	Trip Curr. (I_T , A)	Fig.	Size (mm)			Pricing			
					A	B	C	1	10	100	500
199815CG	RA010-60	0.10	0.20	1	7.4	12.7	5.1	.45	.41	.39	.31
199831CG	RA020-60	0.20	0.40	1	7.4	12.2	5.1	.45	.41	.39	.31
199849CG	RA025-60	0.25	0.50	1	7.4	12.7	5.1	.45	.41	.39	.292
199857CG	RA030-60	0.30	0.60	1	7.4	13.0	5.1	.45	.41	.39	.31
199865CG	RA040-60	0.40	0.80	1	7.6	13.5	5.1	.49	.44	.41	.32
199874CG	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.49	.46	.43	.32
199882CG	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.50	.47	.43	.34
199890CG	RA075-60	0.75	1.50	1	10.4	15.2	5.1	.50	.47	.43	.34
199902CG	RA090-60	0.90	1.80	1	11.7	15.8	5.1	.52	.49	.45	.337
199912CG	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40
199929CG	RA135-60	1.35	2.70	2	14.5	19.6	5.1	.46	.45	.42	.33
199937CG	RA160-60	1.60	3.20	2	16.3	21.3	5.1	.59	.54	.49	.37
199945CG	RA185-60	1.85	3.70	2	17.8	22.9	5.1	.47	.44	.36	.32
199953CG	RA250-60	2.50	5.00	2	21.3	26.4	10.2	.68	.63	.57	.427
199961CG	RA300-60	3.00	6.00	2	24.9	30.0	10.2	.55	.50	.45	.372
199970CG	RA375-60	3.75	7.50	2	28.5	33.5	10.2	.55	.50	.45	.41

RB Series

- Rated voltage (V_{MAX}): 30V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.0mm max.

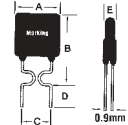


Fig. 3

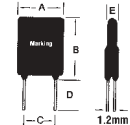


Fig. 4

Part No.	Mfg. P/N	Hold Curr. (I_H , A)	Trip Curr. (I_T , A)	Fig.	Size (mm)			Pricing			
					A	B	C	1	10	100	500
199988CG	RB090-30	0.90	1.80	3	7.4	12.2	5.1	.48	.43	.35	.26
199996CG	RB110-30	1.10	2.20	3	7.4	14.2	5.1	.48	.43	.39	.31
200002CG	RB135-30	1.35	2.70	3	8.9	13.5	5.1	.39	.32	.29	.252
200011CG	RB160-30	1.60	3.20	3	8.9	15.2	5.1	.45	.40	.32	.253
200030CG	RB185-30	1.85	3.70	3	10.2	15.7	5.1	.48	.43	.39	.32
200037CG	RB250-30	2.50	5.00	3	11.4	18.3	5.1	.48	.44	.41	.307
200046CG	RB300-30	3.00	6.00	4	11.4	17.3	5.1	.57	.52	.48	.37
200053CG	RB400-30	4.00	8.00	4	14.0	20.1	5.1	.62	.55	.50	.40
200061CG	RB500-30	5.00	10.00	4	14.0	24.9	10.2	.67	.60	.54	.44
200070CG	RB600-30	6.00	12.00	4	16.5	24.9	10.2	.73	.67	.61	.48
200088CG	RB700-30	7.00	14.00	4	19.1	26.7	10.2	.52	.46	.44	.422
200109CG	RB900-30	9.00	18.00	4	24.1	29.7	10.2	.89	.79	.69	.59

Blue Part No. = Limited Quantity Available

Fuse Clips

- Low contact resistance
- Low profile
- Withstands shock/vibration
- Blue Part No. = Limited Qty

Prepackaged: order in increments of 10, 100 or 1000



Fig. 1

Fig. 2

Fig. 3

Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102859CG	5mm, front leads	1	.37 x .25 x .21 x .19	.12	.09	.05
119280CG	5mm, side leads	2	.33 x .25 x .20 x .21	.09	.08	.07
102841CG	1/4", front leads (10A)	3	.32 x .27 x .25 x .23	.09	.08	.07
220732CG	5mm, front leads (10A)	3	.33 x .27 x .25 x .29	.15	.10	.07

1/4" x 1/4" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses

- Prepackaged: order in increments of 10, 100 or 1000

Part No.	Amps	Cross Ref.	10	100	1000
69403CG	250mA	AGC-250mA	.20	.18	.16
10410CG	500mA	AGC-1/2	.20	.18	.16
197510CG	630mA	AGC-630mA	.17	.14	.12
10372CG	1A	AGC-1	.20	.12	.11
197528CG	1.6A	AGC-1.6	.15	.133	.099
10381CG	2A	AGC-2	.20	.12	.11
197536CG	2.5A	AGC-2 1/2	.26	.12	.10
69438CG	3A	AGC-3	.20	.12	.11
197544CG	4A	AGC-4	.22	.20	.18
10401CG	5A	AGC-5	.22	.20	.18
197552CG	6.3A	AGC-6.3	.22	.20	.18
69462CG	10A	AGC-10	.25	.22	.20
186301CG	16A	—	.25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses

Blue Part No. = Limited Qty

Part No.	Amps	Cross Ref.	1	10	100	1000
25654CG	250mA	MDL-1/4	.75	.59	.50	.40
25689CG	500mA	MDL-1/2	.69	.59	.50	.37
25638CG	1A	MDL-1	.69	.59	.50	.37
25646CG	2A	MDL-2	.55	.44	.34	.28
69534CG	3A	MDL-3	.55	.44	.34	.28
25671CG	5A	MDL-5	.55	.44	.34	.28
69569CG	10A	MDL-10	.75	.65	.51	.40

5mm x 20mm Mini Fuses

Fast Acting Fuses (250V) GMA Fuses

- Recommended for new designs
- Prepackaged: order in increments of 10, 100, 500 or 1000
- Blue Part No. = Limited Quantity

Part No.	Amps	Cross Ref.	10	100	500	1000
103887CG	250mA	GMA-250mA	.20	.15	.11	.10
102040CG	500mA	GMA-500mA	.20	.15	.11	.10
103907CG	1A	GMA-1	.20	.15	.11	.10
103915CG	2A	GMA-2	.25	.18	.13	.12
103923CG	3A	GMA-3	.20	.15	.11	.10
103931CG	5A	GMA-5	.20	.15	.11	.10

Slow Blow Fuses (250V) GMD Fuses

- Prepackaged: order in increments of 10, 100 or 1000

Part No.	Amps	Cross Ref.	10	100	1000
197501CG	500mA	GMD-500mA	.29	.26	.23
197464CG	1A	GMD-1	.29	.26	.23
197472CG	2A	GMD-2	.35	.32	.29
197482CG	3.15A	GMD-3.15	.35	.32	.29
197499CG	5A	GMD-5	.35	.32	.29

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat

Part No.	Description	1	10	100
102832CG	Fuse holder UL/CSA	\$1.95	\$1.79	\$1.59

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108783CG orange

1/4" x 1/4" Standard

Part No.	AWG	Wire Body Lgths (L)	Body Size (L)	Color	1	10	100
109321CG	22	3.5/3"	2.4"	Blk	.65	.58	.52
102867CG	20	3.5/3"	2.2"	Wht	.65	.58	.48
151917CG	18	6/6"	2.4"	Wht	.99	.85	.65
108783CG	16	21/26"	2.2"	Blk	1.19	.99	.87
108791CG	14	19/25"	2.5"	Blk	1.59	1.45	1.05

5mm x 20mm Miniature

Part No.	AWG	Wire Body Color	Body Size (L)	1	10	100
109330CG	20	Red	1.8"	.69	.56	.42

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

Part No.	Product No.	1	10	25
645343CG	K/FF	\$12.29	\$11.68	\$11.09

JAMECO ValuePro SMD HC49US Crystals

The CSM-7 is an excellent choice for SMD version of the CHC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

- Frequency stability: $\pm 100\text{ppm}$
- Drive level: 0.5mw
- Aging (first year @ $+25^{\circ}\text{C}$): $\pm 5\text{ppm}$
- Operating temperature range: -40°C to $+85^{\circ}\text{C}$

Quantity SAVE



Part No.	Product No.	Freq. (MHz)	Imped.	1	10	100
325868CG	JVP-325868	3.579545	17pF	.83	.70	.53
325876CG	JVP-325876	3.6864	20pF	.83	.70	.525
325884CG	JVP-325884	4.0	20pF	.83	.70	.525
325892CG	JVP-325892	6.0	32pF	.83	.70	.525
325905CG	JVP-325905	7.3728	20pF	.83	.70	.525
325913CG	JVP-325913	8.0	18pF	.83	.70	.525
325921CG	JVP-325921	12.0	20pF	.83	.70	.525
325930CG	JVP-325930	14.31818	20pF	.83	.70	.525
325948CG	JVP-325948	16.0	20pF	.83	.70	.56
325956CG	JVP-325956	18.432	20pF	.83	.70	.525
325964CG	JVP-325964	19.6608	20pF	.83	.70	.525
325972CG	JVP-325972	20.0	20pF	.83	.70	.55
325981CG	JVP-325981	24.0	20pF	.83	.70	.525

JAMECO ValuePro Crystal Oscillator Sockets

- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins - 14-pin
- Good for prototyping and PCB mounting



Part No.	Description	1	10	100	1000
133006CG	Full can size	.55	.460	.340	.310
676385CG	Half can size	.51	.434	.314	.272

www.Jameco.com

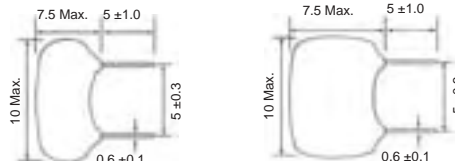


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JAMECO ValuePro Ceramic Resonators

The ZTA series ceramic resonator offers wide frequency range and extended temperature range capabilities.

- Frequency accuracy: $\pm 0.5\%$ @ 25°C
- Wide frequency range
- Extended temperature range: -20°C to $+85^{\circ}\text{C}$
- Temperature stability: $\pm 0.3\%$
- Aging for 10 years: $\pm 0.3\%$
- Withstanding voltage (5 sec.): 100V max.
- High stability
- Low profile
- Drive level: 0.5mw

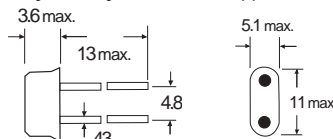


Part No.	Comparable to:	Freq. (MHz)	Pins	1	10	100
324591CG	TZTA-3M58MG	3.58	2	.28	.255	.191
324603CG	TZTA-4.00MG	4.0	2	.28	.255	.25
324611CG	TZTA-4.19MG	4.19	2	.38	.319	.239
324700CG	TZTT-4.19MG	4.19	3	.42	.355	.266
324620CG	TZTA-6.00MT	6.0	2	.28	.26	.195
324718CG	TZTT-6.00MT	6.0	3	.31	.284	.213

Part No.	Comparable to:	Freq. (MHz)	Pins	1	10	100
324638CG	TZTA-8.00MT	8.0	2	.28	.26	.195
324726CG	TZTT-8.00MT	8.0	3	.31	.284	.213
324558CG	TZTA-10.00MT	10.0	2	.28	.255	.191
324566CG	TZTA-12.00MT	12.0	2	.28	.255	.191
324654CG	TZTT-12.00MT	12.0	3	.31	.284	.213

JAMECO ValuePro HC49/S Case (Low Profile Crystals)

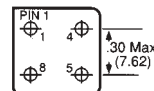
- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to $+60^{\circ}\text{C}$
- Drive level: 0.5mW (fundamental frequency)
- Aging: $\pm 5\text{ppm}/\text{year}$ max.
- Frequency stability tolerance: $\pm 50\text{ppm}$



Part No.	Comparable to:	Freq. (MHz)	Imped.	Max. Resist.	1	10
137816CG	CY3.57LP	3.579545	17pF	150Ω	.33	.247
137832CG	CY4LP	4.000	17pF	120Ω	.99	.89
137859CG	CY8LP	8.000	Series	60Ω	.63	.57
137875CG	CY11.05LP	11.0592	Series	50Ω	1.05	.81
137891CG	CY16LP	16.000	Series	40Ω	.35	.32

JAMECO ValuePro TTL Oscillators (Half Can)

- Input voltage: $+5\text{VDC} \pm 0.5\text{VDC}$
- OSC series oscillators fit into a 14-pin DIP socket P/N676385CG, below left
- Frequency stability $\pm 100\text{ppm}$
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



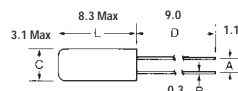
Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
325500CG	3.579545	15mA	10ns	\$1.35	\$1.22	\$1.17
325518CG	3.6864	15mA	10ns	1.35	1.22	.92
325526CG	4.0	15mA	10ns	1.32	1.21	.90
325534CG	5.0688	15mA	10ns	1.32	1.21	.90
325542CG	6.0	15mA	10ns	1.32	1.21	.90
325551CG	6.144	15mA	10ns	1.32	1.21	.90
325569CG	8.0	30mA	10ns	1.32	1.21	.90
325577CG	9.216	30mA	10ns	1.32	1.21	.90
325585CG	9.8304	30mA	10ns	1.35	1.22	.92
354829CG	10.0	25mA	5ns	1.35	1.22	.92
325593CG	11.0592	30mA	10ns	1.35	1.22	.92
325606CG	12.0	30mA	10ns	1.35	1.22	1.17
325614CG	14.31818	30mA	10ns	1.35	1.22	.92
325622CG	16.0	30mA	10ns	1.35	1.22	.92
325631CG	16.257	30mA	10ns	1.35	1.22	.92
325649CG	18.432	30mA	10ns	1.35	1.22	1.17
325657CG	19.6608	30mA	10ns	1.35	1.22	.92
325665CG	20.0	30mA	10ns	1.35	1.22	.92
325673CG	25.0	70mA	5ns	1.35	1.22	.92
325681CG	28.322	70mA	5ns	1.35	1.22	.92
325690CG	30.0	46mA	5ns	1.35	1.22	.92
325702CG	32.0	70mA	5ns	1.35	1.22	.92
325711CG	32.514	70mA	5ns	1.35	1.22	.92
325729CG	40.0	70mA	5ns	1.41	1.29	.97
325737CG	48.0	70mA	5ns	1.35	1.22	.92
325745CG	64.0	70mA	5ns	1.35	1.22	1.10

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
325462CG	1.0	15mA	10ns	\$1.35	\$1.22	\$.96
325471CG	1.2288	15mA	10ns	1.20	1.09	.82
325489CG	1.8432	15mA	10ns	1.39	1.29	1.01
325497CG	2.0	25mA	5ns	1.21	1.10	.83
102779CG	10.0	45mA	6ns	1.45	1.31	1.04

JAMECO ValuePro Tuning Fork

- Operating temperature range: -10°C to $+60^{\circ}\text{C}$
- Frequency tolerance: $\pm 20\text{ppm}$
- Drive level: 1mw
- Aging for first year: $\pm 3\text{ppm}$ (max. $+25^{\circ}\text{C}$)
- Frequency: 32.768kHz



Part No.	Comparable to:	Imped.	1	10	100	1000
14584CG	CY32.76	10.5pF	\$.89	\$.79	\$.69	\$.52
325243CG	JVP-325243	12.5pF	.23	.215	.185	.135

Save Big!
Special Values!

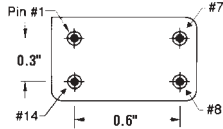
New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

TTL Oscillators (Full Can)

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006CG, pg 100
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.

Quantity SAVE



Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC



TTL Oscillators (Full Can)

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
325411CG	3.579545	15mA	10ns	\$1.19	\$1.08	\$.81
325315CG	3.6864	15mA	10ns	1.25	1.15	1.13
354888CG	4.0	15mA	10ns	1.35	1.22	1.17
325374CG	4.9152	15mA	10ns	1.19	1.08	.81
325323CG	5.0	15mA	10ns	1.19	1.08	.81
325251CG	5.0688	15mA	10ns	1.19	1.08	.81
325260CG	6.0	15mA	10ns	1.19	1.08	.81
325278CG	6.144	15mA	10ns	1.19	1.08	.81
325358CG	7.3728	15mA	10ns	1.19	1.09	1.03
354896CG	8.0	30mA	10ns	1.35	1.22	.92
325331CG	9.216	30mA	10ns	1.19	1.08	.81
325366CG	9.8304	30mA	10ns	1.19	1.08	.81
354909CG	10.0	30mA	10ns	1.19	1.15	1.03
354870CG	11.0592	30mA	10ns	1.35	1.22	.92
354837CG	14.31818	30mA	—	1.19	1.09	1.03
354845CG	16.0	30mA	10ns	1.35	1.22	1.17
325286CG	16.257	30mA	10ns	1.19	1.08	.81
325340CG	18.0	30mA	10ns	1.19	1.08	.81
325382CG	18.432	30mA	10ns	1.19	1.08	.81
325446CG	19.6608	30mA	10ns	1.19	1.08	.81
354917CG	20.0	30mA	10ns	1.35	1.22	1.17
325391CG	24.0	70mA	10ns	1.19	1.08	.81
325454CG	25.0	70mA	5ns	1.19	1.08	.81
325403CG	28.322	70mA	5ns	1.19	1.08	.81
325438CG	30.0	70mA	5ns	1.19	1.08	.81
325294CG	35.0	70mA	5ns	1.19	1.08	.81
354861CG	40.0	70mA	5ns	1.35	1.22	.92
354853CG	50.0	70mA	5ns	1.35	1.22	.92

Other Manufacturers

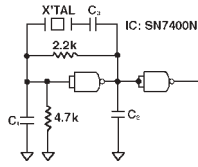
27861CG	1.0	7mA	15ns	\$2.49	\$2.20	\$1.43
325307CG	1.2288	15mA	10ns	1.07	.97	.73
27879CG	1.8432	7mA	15ns	2.39	2.15	1.95
27924CG	2.0	7mA	15ns	1.99	1.79	1.59
27967CG	4.0	7mA	10ns	1.99	1.79	1.59
27991CG	8.0	15mA	15ns	1.99	1.79	1.59
27887CG	10.0	15mA	10ns	1.99	1.79	1.59
144207CG	11.059	50mA	10ns	1.25	1.13	.90
27895CG	12.0	15mA	10ns	1.31	1.21	.98
108652CG	14.31818	15mA	10ns	1.29	1.13	1.02
27908CG	16.0	15mA	10ns	1.25	1.12	.84
27932CG	20.0	17mA	10ns	1.79	1.61	1.21
27941CG	32.0	18mA	7ns	1.31	1.21	1.11
76822CG	33.0	18mA	6ns	1.99	1.79	1.59
153226CG	40.0	18mA	6ns	1.05	.96	.87
76831CG	50.0	25mA	6ns	1.25	1.13	1.02
325420CG	66.666	70mA	5ns	1.19	1.08	1.03
76857CG	100.0	25mA	3ns	2.49	2.25	1.95

Crystals

Quantity SAVE

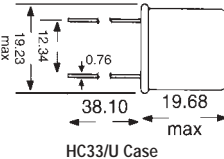


- Frequency calibration tolerance: ± 50ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0 mW maximum
- Shunt capacitance: 7pF maximum
- Frequency stability tolerance: ±50ppm from -10°C to +60°C

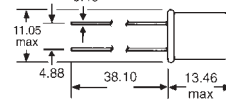


Application Reference (4-14MHz) (parallel resonance)

C1: 150-470 pF
 C2: 220-820 pF
 C3: Match crystal impedance



Dimensions in millimeters



HC49/US Low Profile Case

HC33/U Case

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
14349CG	1.0	13pF	\$4.95	\$4.46	\$3.35

HC49/U (HC18/U) Case

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324224CG	1.8432	13pF	\$.95	\$.86	\$.64
324283CG	2.0	Series	.94	.85	.64
324275CG	2.0	20pF	.94	.85	.64
324312CG	2.5	Series	.78	.71	.53
324321CG	3.0	Series	.78	.71	.53
324347CG	3.6864	18pF	.31	.284	.213
324363CG	4.0	Series	.31	.284	.213
324355CG	4.032	20pF	.31	.284	.213
324371CG	4.194	12pF	.31	.284	.213
324401CG	4.9152	Series	.31	.284	.213
324380CG	4.9152	20pF	.31	.284	.213
324427CG	5.0	Series	.31	.284	.213
324419CG	5.0	20pF	.31	.284	.213
324435CG	5.0688	20pF	.31	.284	.213
324443CG	5.185	32pF	.31	.284	.213
324460CG	6.0	Series	.31	.284	.213
324451CG	6.0	32pF	.31	.284	.213
324478CG	6.5536	12pF	.31	.284	.213
324486CG	7.68	20pF	.31	.284	.213
324494CG	8.0	18pF	.31	.284	.213
324507CG	8.0	20pF	.31	.284	.213
324515CG	8.0	32pF	.31	.284	.213
324531CG	9.216	Series	.31	.284	.213

Other Manufacturers

102613CG	1.8432	18pF	\$.99	\$.91	\$.68
102621CG	2.0	Series	.78	.75	.73
101274CG	2.4576	32pF	.64	.525	.49
14525CG	3.2768	18pF	.63	.57	.50
14533CG	3.579545	18pF	.40	.37	.29
14568CG	3.6864	18pF	.28	.256	.23
14592CG	4.0	20pF	.59	.54	.41
14621CG	4.9152	Series	.28	.256	.23

HC49/US Low Profile Case

324988CG	3.6864	18pF	\$.36	\$.324	\$.243
324961CG	4.0	20pF	.36	.325	.31
324937CG	4.096	20pF	.36	.324	.243
324929CG	5.0	20pF	.36	.324	.243
324831CG	7.3728	20pF	.36	.325	.31
324822CG	7.3728	20pF	.62	.57	.43
324814CG	7.68	20pF	.36	.324	.243
324806CG	8.0	18pF	.36	.324	.243
324785CG	8.0	20pF	.36	.324	.243
324777CG	8.0	32pF	.36	.324	.243
324742CG	9.216	Series	.36	.324	.243
324734CG	9.8304	20pF	.36	.324	.243
325227CG	11.0592	20pF	.36	.324	.243

† Industrial temperature range (-40°C to 85°C)

HC49/U (HC18/U) Case (Continued)

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324523CG	9.216	20pF	\$.31	\$.284	\$.213
324540CG	9.9304	20pF	.31	.284	.213
324128CG	11.0592	Series	.31	.284	.213
324110CG	11.0592	32pF	.31	.284	.274
324136CG	11.52	Series	.31	.284	.213
324144CG	11.98135	Series	.31	.284	.213
324152CG	12.288	20pF	.31	.284	.249
324161CG	13.5168	Series	.31	.284	.213
324179CG	14.31818	Series	.31	.284	.213
324187CG	14.7456	20pF	.31	.284	.213
324195CG	14.7456	Series	.31	.284	.213
324208CG	16.0	20pF	.31	.284	.213
324216CG	18.0	20pF	.31	.284	.213
324232CG	18.432	20pF	.31	.284	.274
324241CG	19.6608	20pF	.31	.284	.213
324259CG	19.6608	Series	.31	.284	.213
324267CG	20.0	20pF	.31	.284	.274
324304CG	22.1184	Series	.31	.284	.213
324339CG	35.2512	18pF	.31	.284	.213
324398CG	49.86	20pF	.31	.284	.213

Other Manufacturers

14681CG	6.0	18pF	\$.28	\$.256	\$.23
14699CG	6.144	30pF	.28	.256	.23
539743CG	6.176	18pF	.28	.26	.24
14710CG	7.3728	30pF	.28	.256	.23
14728CG	8.0	Series	.67	.59	.52
14381CG	10.0	Series	.79	.69	.59
120061CG	11.0592	Series	.80	.71	.68
14402CG	12.0	Series	.80	.68	.50
537799CG	14.31818	Series	.28	.26	.24
14453CG	16.0	Series	.68	.61	.458
14517CG	20.0	Series	.79	.69	.59

HC49/US Low Profile Case (Cont.)

325219CG	11.0592	32pF	\$.36	\$.324	\$.243
325201CG	12.0	20pF	.36	.325	.31
325198CG	12.0	20pF	.62	.57	.43
325180CG	12.0	32pF	.36	.324	.243
325171CG	12.288	20pF	.36	.323	.242
325121CG	16.0	20pF	.62	.57	.43
325112CG	18.432	20pF	.36	.324	.243
325104CG	18.432	20pF	.62	.57	.43
325067CG	20.0	20pF	.36	.325	.31
325059CG	20.0	20pF	.62	.57	.43
325024CG	24.0	20pF	.62	.57	.43
325016CG	24.576	20pF	.36	.324	.243
325008CG	25.0	18pF	.36	.324	.243

Ⓢ Blue Part No. = Limited Quantity Available

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion

Each kit includes a 20-drawer component cabinet (319599CG), 20 clear plastic drawers (319601CG), 20 clear dividers (319610CG), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.



81875CG (Capacitor Kit)

20-drawer
component
cabinet with
every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Cabinet: ABS-Black
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Weight: 4.6 to 6.4 lbs.
- Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

Need a refill?
Just call
1-800-831-4242



81832CG (Resistor Kit)

Radial Electrolytic Capacitor Kit

SAVE \$10

Includes 240 pcs. (15 values) $\pm 20\%$ Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100 μ F @ 50V	1000 μ F @ 16V	1 μ F @ 50V	3.3 μ F @ 50V	22 μ F @ 50V
220 μ F @ 25V	2200 μ F @ 25V	1 μ F @ 100V	4.7 μ F @ 50V	47 μ F @ 50V
470 μ F @ 25V	3300 μ F @ 25V	2.2 μ F @ 50V	10 μ F @ 50V	100 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81867CG	240 pcs. Radial Capacitor kit	5.3	\$29.95	\$26.95
130331CG	Refill for 81867CG (240 pcs.)	0.5	17.95	16.49

Axial Electrolytic Capacitor Kit

SAVE \$16

Includes 140 pcs. (10 values) $\pm 20\%$ Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47 μ F @ 50V	220 μ F @ 50V	1000 μ F @ 25V	1 μ F @ 50V	10 μ F @ 50V
100 μ F @ 50V	470 μ F @ 50V	2200 μ F @ 16V	4.7 μ F @ 50V	2.2 μ F @ 50V
Part No.	Description	Wt. (lbs.)	1	10
81875CG	140 pcs. Axial Capacitor kit	5.3	\$37.95	\$34.15
130340CG	Refill for 81875CG (140 pcs.)	0.6	24.95	22.49

Mylar Capacitor Kit

SAVE \$20

Includes 280 pcs. (10 values) 100V $\pm 10\%$ Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001 μ F	.022 μ F	.047 μ F	.47 μ F	.01 μ F
.0047 μ F	.033 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81883CG	280 pcs. Mylar Capacitor kit	5.1	\$37.95	\$34.15
130358CG	Refill for 81883CG (280 pcs.)	0.3	19.95	17.95

Dipped Tantalum Capacitor Kit

SAVE \$31

Includes 150 pcs. (15 values) $\pm 20\%$ Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1 μ F @ 35V	1 μ F @ 25V	3.3 μ F @ 35V	10 μ F @ 16V	22 μ F @ 16V
.22 μ F @ 35V	1 μ F @ 35V	4.7 μ F @ 35V	10 μ F @ 35V	33 μ F @ 25V
.47 μ F @ 35V	2.2 μ F @ 16V	6.8 μ F @ 35V	15 μ F @ 25V	47 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81841CG	150 pcs. Tantalum Capacitor kit	4.8	\$79.95	\$71.95
130260CG	Refill for 81841CG (150 pcs.)	0.3	59.95	53.95

Ceramic Disc Capacitor Kit

SAVE \$16

Includes 520 pcs. (10 values) 50V $\pm 20\%$ Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022 μ F	.01 μ F
22pF	100pF	.001 μ F	.047 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81859CG	520 pcs. Ceramic Capacitor kit	5.0	\$35.95	\$32.35
130232CG	Refill for 81841CG (520 pcs.)	0.3	17.95	16.49

Monolithic Ceramic Capacitor Kit

SAVE \$10

Includes 280 pcs. (10 values) 50V $\pm 20\%$ Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001 μ F	.047 μ F	.47 μ F	.01 μ F
100pF	.0022 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
171475CG	280 pcs. Monolithic Capacitor kit	5.0	\$29.95	\$26.95
171483CG	Refill for 171475CG (280 pcs.)	0.3	17.95	15.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/8-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.5k Ω	3.3k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	2k Ω	5.1k Ω	22k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2.2k Ω	5.6k Ω	27k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.7k Ω	6.8k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
108329CG	540 pcs. 1/8-watt Resistor kit	4.9	\$24.95	\$22.49			
108302CG	Refill for 108329CG (540 pcs.)	0.2	12.95	11.49			

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.2k Ω	2.7k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	1.5k Ω	3.3k Ω	20k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2k Ω	5.1k Ω	22k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.2k Ω	5.6k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
81832CG	540 pcs. 1/4-watt Resistor kit	4.9	\$27.95	\$24.95			
103166CG	Refill for 81832CG (540 pcs.)	0.2	12.95	11.49			

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10 Ω	330 Ω	1.5k Ω	3.3k Ω	15k Ω	47k Ω	100 Ω	4.7k Ω
47 Ω	390 Ω	2k Ω	5.1k Ω	22k Ω	470k Ω	220 Ω	10k Ω
150 Ω	470 Ω	2.2k Ω	5.6k Ω	27k Ω	1M Ω	1k Ω	100k Ω
270 Ω	680 Ω	2.7k Ω	6.8k Ω	33k Ω	10M Ω		
Part No.	Description	Wt. (lbs.)	1	10			
107879CG	540 pcs. 1/2-watt Resistor kit	5.1	\$29.95	\$26.95			
107852CG	Refill for 107879CG (540 pcs.)	0.4	14.95	13.49			

1/2-Watt Single Turn Cermet Pot Kit

SAVE \$29

See page 90 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500 Ω	63P2k Ω	63P10k Ω	63P50k Ω	63P500k Ω
63P1k Ω	63P5k Ω	63P20k Ω	63P100k Ω	63P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85032CG	100 pcs. single turn Pot kit	4.9	\$65.95	\$59.35

3/4-Watt 15 Turn Cermet Pot Kit

SAVE \$32

See page 90 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500 Ω	43P2k Ω	43P10k Ω	43P50k Ω	43P500k Ω
43P1k Ω	43P5k Ω	43P20k Ω	43P100k Ω	43P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85041CG	100 pcs. 15 turn Pot kit	4.9	\$82.95	\$74.65

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.








Belden Coaxial Cables

Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance, performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. Engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, and more. For our complete line of Belden products, please visit www.Jameco.com/Belden.

50Ω Transmission and Computer Cable RG8/X & RG8/U Type




16 AWG stranded (19x29) .058" bare copper RG8/X type

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: 0.242" • Color: black

Part No.	Product No.	Description	1	5	10
734255CG	9258-100-10 	100' reel	\$59.99	\$54.99	\$49.99
734257CG	9258-500-10 	500' reel	346.55	314.47	298.73
734256CG	9258-1000-10 	1000' reel	601.15	559.17	538.20
734259CG	9258-U500-10 	500' unreel box	357.05	324.01	307.79
734258CG	9258-U1000-10 	1000' unreel box	619.35	576.12	554.52




13 AWG stranded (7 x 21) .085" bare copper RG8/U type

- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Product No.	Description	1	5	10
732849CG	8237-100-10 	100' reel	\$166.05	\$151.09	\$138.36
732857CG	8237-500-10 	500' reel	629.09	571.86	549.03
732865CG	8237-1000-10 	1000' reel	1,135.85	1,041.29	961.12

11 AWG stranded (7 x 19) .108" bare copper RG8/U type






- Nominal outer diameter: .285" • Color: black
- Foam polyethylene insulation & black PVC jacket • 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω

Part No.	Product No.	Description	1	5	10
732751CG	8214-100-10 	100' reel	\$178.55	\$162.30	\$148.77
732769CG	8214-500-10 	500' reel	780.65	709.66	650.05
732777CG	8214-1000-10 	1000' reel	1,303.55	1,203.17	1,117.27

50Ω Transmission and Computer Cable RG58A/U Type




20 AWG solid .032" bare copper

- Nominal outer diameter: .193" • Color: black
- Polyethylene insulation and black PVC jacket
- 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω

Part No.	Product No.	Description	1	5	10
732873CG	8240-100-10 	100' reel	\$42.15	\$38.21	\$34.73
732882CG	8240-500-10 	500' reel	166.75	151.50	138.88
732900CG	8240-1000-10 	1000' reel	358.25	328.38	303.14
734176CG	8240-U500-10 	500' unreel box	202.99	184.17	142.57
734175CG	8240-U1000-10 	1000' unreel box	333.29	302.42	287.33




20 AWG stranded (19 x 33) .035" tinned copper

- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .192" • Color: black

Part No.	Product No.	Description	1	5	10
732937CG	8259-100-10 	100' reel	\$50.65	\$45.93	\$41.73
732945CG	8259-500-10 	500' reel	174.95	164.95	159.95
732953CG	8259-1000-10 	1000' reel	274.79	251.89	232.49

20 AWG stranded (19 x 32) .037" tinned copper




- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Product No.	Description	1	5	10
732814CG	8219-100-10 	100' reel	\$39.99	\$37.49	\$34.99
732822CG	8219-500-10 	500' reel	257.99	234.47	214.89
732831CG	8219-1000-10 	1000' reel	329.49	302.05	278.79

50Ω Transmission and Computer Cable RG174/U Type

26 AWG stranded (7 x 34) .019" bare copper-covered steel


- 90% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m
- Nominal impedance: 50Ω
- Nominal outer diameter: .110" • Color: black

Part No.	Product No.	Description	1	5	10
732785CG	8216-100-10 	100' reel	\$35.45	\$32.18	\$29.23
732793CG	8216-500-10 	500' reel	114.19	103.64	94.16
732806CG	8216-1000-10 	1000' reel	278.85	263.29	250.13

93Ω Coax Cable RG62A/U Type

22 AWG solid 0.025" bare copper-covered steel






- Insulation: semi-solid PE (polyethylene) 0.146" diameter
- Outer shield: braid bare copper 95% coverage
- Outer jacket: HDPE (high density polyethylene)
- Nominal impedance: 93Ω
- Tracer: solid 0.242" diameter • Color: black
- Nominal inductance: 0.116μH/ft. • Nominal capacitance: 13.5pF/ft.
- Nominal DCR: 41.2Ω/1000' • Max. operating voltage (non-UL): 300Vrms

Part No.	Product No.	Description	1	5	10
447849CG	9228-010-500 	500' reel	\$173.35	\$164.65	\$156.45

75Ω Broadband Coax CATV Cable RG6/U Type






18 AWG solid .040" bare copper-covered steel

- Duobond® II +60% aluminum braid shield
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .270" • Color: black

Part No.	Product No.	Description	1	5	10
733270CG	9116-100-10 	100' reel	\$20.89	\$17.56	\$16.68
733278CG	9116-500-10 	500' reel	65.55	57.37	54.50
733286CG	9116-1000-10 	1000' reel	119.45	113.48	107.80
447831CG	9116-U500-010 	500' unreel box	55.59	51.11	48.55
447822CG	9116-U1000-010 	1000' unreel box	80.79	74.99	71.73

18 AWG solid .040" bare copper-covered steel

- Duobond® IV quad shield
- Nominal outer diameter: .298"
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω • Color: black

Part No.	Product No.	Description	1	5	10
732734CG	1189A-100-10 	100' reel	\$40.85	\$36.73	\$33.05
733403CG	1189A-500-10 	500' reel	83.99	67.87	64.48
732742CG	1189A-1000-10 	1000' reel	183.45	174.27	165.55
734053CG	1189A-U500-10 	500' unreel box	100.99	81.61	77.53
447110CG	1189A-U1000-10 	1000' unreel box	117.89	107.96	102.83

Series 59 MATV Cable

20 AWG solid 0.032 bare copper covered steel

- Insulation: gas-injected FPE (foam polyethylene 0.144" diameter)
- Outer shield: Duobond® II tape/braid 40% coverage
- Outer jacket: PVC
- UL1685 flame test • Color: black
- Nominal impedance: 75Ω • Nominal inductance: 0.097μH/ft.
- Nominal capacitance: 16.2pF/ft. • Nominal DCR: 44.5Ω / 1000'

Part No.	Product No.	Description	1	5	10
447806CG	9100-010-U1000 	1000' unreel	\$68.65	\$64.99	\$60.92

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

BELDEN Belden Coaxial Cables (Continued)

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper

- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- DuoFoil® +95% tinned copper braid shield • Nominal outer diameter: .275"

Part No.	Product No.	Description	1	5	10
734100CG	1694A-100-10	100' reel (black)	\$66.49	\$55.86	\$53.07
734156CG	1694A-500-10	500' reel (black)	234.89	191.33	177.23
734155CG	1694A-1000-10	1000' reel (black)	488.39	396.49	382.18
447267CG	1694A-1000-06	1000' reel (blue)	433.79	388.73	331.84
447275CG	1694A-1000-08	1000' reel (gray)	485.95	437.34	393.60

Direct Broadcast Satellite RG6 Type Cable

18 AWG solid .040" bare copper

- DuoBond® II +60% aluminum braid • Color: black
- Gas injected foam polyethylene insulation, PVC jacket
- Nominal capacitance: 16.2pF/m • Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
734157CG	1829AC-100-10	100' reel	\$14.99	\$13.99	\$12.99
734178CG	1829AC-500-10	500' reel	54.99	52.24	49.63
734158CG	1829AC-1000-10	1000' reel	123.25	110.88	105.34
447312CG	1829A-U1000-010	1000' unreel box	82.59	79.99	73.28

75Ω Standard Analog Video Cable RG59/U Type

23 AWG solid .023" bare copper

- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket • Nominal outer diameter: .242"
- Nominal capacitance: 67.3pF/m • Nominal impedance: 75Ω • Color: black

Part No.	Product No.	Description	1	5	10
732902CG	8241-100-10	100' reel	\$53.75	\$50.46	\$46.52
732911CG	8241-500-10	500' reel	141.55	132.81	122.47
732929CG	8241-1000-10	1000' reel	224.15	214.17	205.39
447478CG	8241-U500-10	500' unreel box	155.15	139.62	125.65
447460CG	8241-U1000-10	1000' unreel box	305.49	274.92	247.42

22 AWG stranded (7 x 30) .030" bare copper

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .241" • Color: black

Part No.	Product No.	Description	1	5	10
732654CG	9259-100-10	100' reel	\$56.79	\$53.04	\$48.86
732662CG	9259-500-10	500' reel	156.55	142.23	139.40
732671CG	9259-1000-10	1000' reel	383.19	369.43	350.45
734071CG	9259-U500-10	500' unreel box	196.85	178.84	175.29
734070CG	9259-U1000-10	1000' unreel box	383.19	369.43	350.45

Broadband Coax (Headend/Video Cables)

20 AWG solid .031" bare copper

- Nominal capacitance 68.9pF/m • Color: black
- Nominal outer diameter: .305" • Nominal impedance: 75Ω
- 98% tinned copper double braid shield • Polyethylene insulation and jacket

Part No.	Product No.	Description	1	5	10
732962CG	8281-100-10	100' reel	\$85.49	\$72.06	\$68.46
732980CG	8281-500-10	500' reel	483.25	414.18	372.43
732988CG	8281-1000-10	1000' reel	906.39	773.15	739.32

50Ω RG58A/U Ethernet Coax (Thinnet 10 Base2 Ethernet)

20 AWG stranded (19 x 32) tinned copper, plenum

- Insulation: FFEP (foam fluorinated ethylene propylene, 0.095" diameter)
- Outer shield: DuoBond® II tape/braid 93% coverage
- NFPA 262 UL flame test
- Color: light gray
- Outer jacket: PVDF (fluorocopolymer) • IEEE802.3 10Base2 specification
- Nominal impedance: 50Ω • Nominal capacitance: 25.4pF/ft.
- Nominal inductance: 0.0635μH/ft. • Nominal DCR: 8.8Ω/1000'

Part No.	Product No.	Description	1	5	10
426001CG	89907-E4X-1000	1000' reel	\$659.59	\$593.62	\$534.25

BELDEN Belden Coaxial Cables (Continued)

RG59 Type Security Coaxial Cable

20 AWG solid bare copper conductor

- 95% bare copper braid shield • Nominal impedance: 75Ω
- Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications • Color: black

Part No.	Product No.	Description	1	5	10
734159CG	543945-100-10	100' reel	\$15.45	\$15.35	\$15.25
734161CG	543945-500-10	500' reel	64.95	61.98	58.92
734160CG	543945-1000-10	1000' reel	139.99	132.27	125.66

Standard Analog Video Cable 75Ω Miniature Coax

27 AWG stranded (7x35) .017" bare copper-covered steel

- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Color: black
- Nominal impedance: 75Ω • Nominal outer diameter: .100"

Part No.	Product No.	Description	1	5	10
734174CG	8218-U500-10	500' unreel box	\$217.09	\$196.96	\$178.98
734173CG	8218-U1000-10	1000' unreel box	534.15	484.61	460.38

20 AWG solid .032" solid bare copper

- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234" • Color: black

Part No.	Product No.	Description	1	5	10
734087CG	1505A-100-10	100' reel	\$51.05	\$42.89	\$40.75
734089CG	1505A-500-10	500' reel	214.35	174.59	173.96
734088CG	1505A-1000-10	1000' reel	435.29	359.73	358.14

BELDEN

Belden Speaker Cables

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded • Clear PVC jacket
- Parallel (1) tinned (1) bare • PVC insulation

18 AWG stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
732574CG	9708-100-368	100' reel	\$27.15	\$24.65	\$22.59
732582CG	9708-500-368	500' reel	122.95	116.45	109.99
732591CG	9708-1000-368	1000' reel	283.55	270.87	259.77
734154CG	9708-U500-368	500' unreel box	181.95	172.33	162.77
734081CG	9708-U1000-368	1000' unreel box	339.85	324.70	311.39

14 AWG stranded (19 x 27)

Part No.	Product No.	Description	1	5	10
732603CG	9717-100-368	100' reel	\$65.49	\$55.09	\$49.45
733430CG	9717-500-368	500' reel	255.69	242.25	218.04
732612CG	9717-1000-368	1000' reel	539.85	509.72	458.88

12 AWG stranded (65 x 30)

Part No.	Product No.	Description	1	5	10
732630CG	9718-100-368	100' reel	\$126.35	\$106.13	\$100.82
732638CG	9718-500-368	500' reel	405.25	358.42	310.77
732646CG	9718-1000-368	1000' reel	1,341.25	1,262.34	1,183.44

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

† This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Belden cable products are manufactured in a variety of gauge sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including PVC, Plenum and High-Temperature versions to meet the technical requirements of many different types of systems. Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit www.jameco.com/Belden.

- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- Tinned copper drain wire
- Overall 100% BELDFOIL® shield (for shielded cables)

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Semi-rigid PVC insulation
- Nominal DCR: 24Ω/m
- Nominal impedance: 75Ω
- Color: chrome



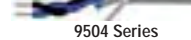
9502 Series



9503 Series



9501 Series



9504 Series

Part No.	Product No.	No. of Pairs	Description	1	5	10
732710CG	9501-100-60 R	1	100' reel	\$23.85	\$21.64	\$19.68
732718CG	9501-500-60 R	1	500' reel	92.05	87.14	82.31
732726CG	9501-1000-60 R	1	1000' reel	174.35	164.62	152.71
734074CG	9501-U500-60 R	1	500' unreel box	108.79	103.00	97.29
734073CG	9501-U1000-60 R	1	1000' unreel box	166.15	156.86	147.62
732452CG	9502-100-60 R	2	100' reel	27.39	24.92	22.64
732470CG	9502-500-60 R	2	500' reel	140.39	127.60	116.96
732478CG	9502-1000-60 R	2	1000' reel	283.49	259.90	239.88
734076CG	9502-U500-60 R	2	500' unreel box	155.99	141.75	129.94
734075CG	9502-U1000-60 R	2	1000' unreel box	199.99	189.59	175.89
732486CG	9503-100-60 R	3	100' reel	37.35	31.72	29.51
732494CG	9503-500-60 R	3	500' reel	137.99	130.72	123.48
732507CG	9503-1000-60 R	3	1000' reel	261.45	246.93	229.06
734078CG	9503-U500-60 R	3	500' unreel box	226.39	214.44	202.58
734077CG	9503-U1000-60 R	3	1000' unreel box	408.35	385.65	366.38
732515CG	9504-100-60 R	4	100' reel	32.99	27.95	27.15
732523CG	9504-500-60 R	4	500' reel	168.69	159.79	150.92
732532CG	9504-1000-60 R	4	1000' reel	415.15	392.05	381.85
732550CG	9505-100-60 R	5	100' reel	45.49	36.85	34.28
732558CG	9505-500-60 R	5	500' reel	192.25	174.78	160.19
732566CG	9505-1000-60 R	5	1000' reel	370.55	339.72	313.56
734079CG	9505-U500-60 R	5	500' unreel box	311.25	294.84	278.43
734080CG	9505-U1000-60 R	5	1000' unreel box	589.69	556.87	529.03

Low Capacitance Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Datalene® insulation, chrome PVC jacket
- Nominal DCR: 24Ω/m
- Nominal impedance: 100Ω
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
734179CG	1419A-100-60 R	2	100' reel	\$24.99	\$22.49	\$19.99
734086CG	1419A-500-60 R	2	500' reel	144.05	131.99	113.03
734085CG	1419A-1000-60 R	2	1000' reel	264.55	242.43	223.76
447128CG	1422A-060-500 R	5	500' reel	295.85	266.24	239.61

Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"



Part No.	Product No.	No. of Pairs	Description	1	5	10
733112CG	8451-100-10 R	1	100' reel (black).....	\$19.99	\$18.59	\$16.99
733121CG	8451-500-10 R	1	500' reel (black).....	113.65	103.31	94.69
733139CG	8451-1000-10 R	1	1000' reel (black)	149.95	142.95	135.95
734063CG	8451-U500-10 R	1	500' unreel box (black) ..	113.65	103.31	94.69
734062CG	8451-U1000-10 R	1	1000' unreel box (blk) ..	202.85	185.95	171.62
447531CG	8451-U1000-08 R	1	1000' unreel box (gray) ..	202.85	185.95	171.62

Audio, Control, and Instrumentation Cables Non-Plenum (Cont'd)

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.135"
- Color: gray



Part No.	Product No.	No. of Pairs	Description	1	5	10
732689CG	9451-100-08 R	1	100' reel	\$24.99	\$22.49	\$19.99
732697CG	9451-500-08 R	1	500' reel	92.85	82.50	75.28
733412CG	9451-T1000-08 R	1	1000' reel	147.99	143.13	135.97
447881CG	9451-U1000-10 R	1	1000' unreel box ..	153.29	152.00	147.26

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.175"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
734191CG	8761-500-60 R	1	500' reel	\$112.05	\$101.59	\$92.33
734190CG	8761-1000-60 R	1	1000' reel	285.35	261.58	241.45
734193CG	8761-U500-60 R	1	500' unreel box	150.25	134.42	126.51
734192CG	8761-U1000-60 R	1	1000' unreel box ..	271.49	232.42	221.41

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
734180CG	8723-100-60 R	2	100' reel	\$30.19	\$27.17	\$24.15
734182CG	8723-500-60 R	2	500' reel	114.15	103.55	94.09
734181CG	8723-1000-60 R	2	1000' reel	207.49	190.25	175.59
734184CG	8723-U500-60 R	2	500' unreel box	114.15	103.55	94.09
734183CG	8723-U1000-60 R	2	1000' unreel box ..	324.59	306.79	289.79

20 AWG stranded (7 x 28) unshielded

- Chrome PVC jacket
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	2	5
734172CG	8205-U500-60 R	1	500' unreel box	\$97.79	\$80.93	\$76.77
734171CG	8205-U1000-60 R	1	1000' unreel box ..	223.35	204.74	188.99

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire

- Semi-rigid PVC insulation and overall chrome PVC jacket
- Nominal capacitance: 180pF/m
- Nominal outer diameter: 0.300"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
734260CG	9402-100-60 R	2	100' reel	\$64.99	\$62.49	\$59.99
734262CG	9402-U500-60 R	2	500' unreel box	409.29	381.99	354.70
734261CG	9402-1000-60 R	2	1000' reel	944.85	865.45	798.82



18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair
- Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"



Part No.	Product No.	No. of Pairs	Description	1	5	10
734185CG	8760-100-60 R	1	100' reel	\$34.99	\$32.49	\$29.99
447671CG	8760-250-60 R	1	250' reel	76.39	69.33	58.15
734187CG	8760-500-60 R	1	500' reel	158.29	143.63	130.51
734186CG	8760-1000-60 R	1	1000' reel	384.25	364.06	345.85
734189CG	8760-U500-60 R	1	500' unreel box	112.89	107.22	103.84
734188CG	8760-U1000-60 R	1	1000' unreel box ..	231.19	219.05	207.99

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.



Belden Paired Cables (Continued)

Unshielded Audio, Control and Instrumentation Cable

16 AWG stranded (19 x 29) tinned copper

- Insulation & outer jacket: PVC
- UL1685 FT4 flame test
- Nominal inductance: 0.184µH/ft.
- Nominal capacitance: 16.4pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal DCR: 4.49Ω/1000'
- Max. current: 7.1A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447540CG	8471-060-1000▲	1	1000' reel	\$466.65	\$443.29	\$421.09

14 AWG stranded (42 x 30) tinned copper

- Insulation & outer jacket: PVC
- UL1685 flame test
- Nominal inductance: 0.19µH/ft.
- Nominal capacitance: 33pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal DCR: 2.86Ω/1000'
- Max. current: 9.6A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447558CG	8473-060-500▲	1	500' unreeled	\$427.65	\$384.86	\$346.37

Paired Line Level Analog Audio Cable

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.204"
- Color: chrome

Part No.	Product No.	Pairs	Description	1	5	10
734195CG	8762-100-60 R	1	100' reel	\$32.95	\$32.60	\$32.50
734197CG	8762-500-60 R	1	500' reel	146.05	138.32	130.64
734196CG	8762-1000-60 R	1	1000' reel	260.99	246.49	232.02
734199CG	8762-U500-60 R	1	500' unreeled box	137.79	130.51	123.27
734198CG	8762-U1000-60 R	1	1000' unreeled box	335.45	316.83	298.19

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.313"
- Color: chrome

Part No.	Product No.	Pairs	Description	1	5	10
733147CG	8719-100-60 R	1	100' reel	\$59.99	\$54.99	\$49.99
733155CG	8719-500-60 R	1	500' reel	267.09	242.34	220.34
733163CG	8719-1000-60 R	1	1000' reel	443.85	418.46	393.10
734065CG	8719-U500-60 R	1	500' unreeled box	198.65	180.24	163.88
734064CG	8719-U1000-60 R	1	1000' unreeled box	579.05	545.91	512.83

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355"
- Color: chrome

Part No.	Product No.	Pairs	Description	1	5	10
733172CG	8720-100-60 R	1	100' reel	\$59.99	\$51.55	\$48.97
733190CG	8720-500-60 R	1	500' reel	298.85	279.32	259.83
733198CG	8720-1000-60 R	1	1000' reel	621.75	578.37	563.91
734066CG	8720-U500-60 R	1	500' unreeled box	416.99	389.78	362.59


Two Conductor Low Impedance Cable


20 AWG stranded (26 x 34) high conductivity tinned copper

- Insulation: EPDM 0.083" diameter
- Overall cabling separator: rayon braid
- Outer shield: braid tinned copper 85% coverage
- Outer shield separator material: cotton wrap
- Outer jacket: EPDM (ethylene propylene diene monomer rubber)
- Nominal impedance: 52Ω
- Nominal capacitance: 30pF/ft.
- Max. operating voltage: 600Vrms
- Color: black
- Nominal inductance: 0.18µH/ft.
- Nominal DCR: 3.06Ω/1000'
- Max. current: 4A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
425922CG	8412-010-100▲	1	100' reel	\$117.45	\$105.70	\$95.13

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



Belden Paired Cables (Continued)

New Generation® Commercial Audio System Cable

18 AWG stranded (7 x 26) bare copper with rip cord (unshielded)

- Suitable applications: addressable fire alarm systems, initiating circuits, notification circuits
- Insulation: PVC 0.010" diameter
- UL1666 vertical shaft flame test
- Nominal capacitance: 30pF/ft.
- Max. operating voltage: 300Vrms
- Color: gray
- Outer jacket: PVC with rip cord
- Nominal inductance: 0.16µH/ft.
- Nominal DCR: 6.5Ω/1000'
- Max. current: 5A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447398CG	5300UE-008-U500▲	1	500' unreeled	\$41.75	\$39.59	\$33.99
447380CG	5300UE-008-U1000▲	1	1000' unreeled	79.85	75.79	65.06

CM Rated Cable

22 AWG stranded (7 x 30) tinned copper with 22 AWG stranded tinned drain wire

- Inner shield: Beldfoil® (Z-fold®) aluminum foil – polyester tape 100% coverage
- Insulation: PP (polypropylene)
- Color: chrome
- Outer jacket: PVC
- UL1685 flame test
- Nominal impedance: 50Ω
- Nominal capacitance: 30pF/ft.
- Max. operating voltage: 300Vrms
- Nominal inductance: 0.18µH/ft.
- Nominal DCR: 15Ω/1000'
- Max. current: 2A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447726CG	8777-060-500▲	3	500' reel	\$286.49	\$270.00	\$266.00
447718CG	8777-060-1000▲	3	1000' reel	555.05	540.00	521.95
447734CG	8778-060-500▲	6	500' reel	545.79	518.49	499.99

Flexible CM Rated Cable

24 AWG stranded (7 x 32) tinned copper with 24 AWG TC drain wire

- Inner shield: Beldfoil® aluminum foil – polyester tape 100% coverage with 24AWG (7 x 32) tinned copper drain wire
- Outer shield: Beldfoil® aluminum foil – polyester tape 100% coverage with 18 AWG (7 x 26) tinned copper drain wire
- Insulation: PO (polyolefin)
- Inner and outer jacket: PVC
- Nominal capacitance: 31pF/ft.
- Max. operating voltage: 300Vrms
- Color: Black
- Nominal inductance: 0.18µH/ft.
- Nominal DCR: 23.3Ω/1000'
- Max. current: 1.05A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447161CG	1510C-B59-500▲	4	500' reel	\$544.49	\$517.19	\$491.35

Audio, Control and Instrumentation Cable

22 AWG solid tinned copper with 22 AWG solid TC drain wire

- Insulation & outer jacket: PVC
- Inner shield: Beldfoil® aluminum foil – polyester tape 100% coverage w/ 22AWG solid tinned copper drain wire
- Nominal inductance: 0.19µH/ft.
- Nominal capacitance: 40pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal DCR: 16.7Ω/1000'
- Max. current: 1.5A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447697CG	8764-060-1000▲	9	1000' reel	\$2,294.95	\$2,271.88	\$2,249.16

14 AWG stranded (42 x 30) tinned copper

- Insulation & outer jacket: PVC
- Inner shield: Beldfoil® (Z-fold®) aluminum foil – polyester tape 100% coverage
- Nominal capacitance: 40pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal inductance: 0.19µH/ft.
- Nominal DCR: 16.7Ω/1000'
- Max. current: 2A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447700CG	8768-060-500▲	6	500' reel	\$452.89	\$430.19	\$408.69

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242



Belden Paired Cables (Continued)

Shielded Audio, Control and Instrumentation Cable

24 AWG stranded (7 x 32) tinned copper with 24 AWG tinned copper drain wire

- UL1685 flame test
- Outer shield: Beldfoil® aluminum foil – polyester tape 100% coverage
- Outer jacket: PVC
- Nominal impedance: 52Ω
- Nominal capacitance: 31pF/ft.
- Max. operating voltage: 300Vrms
- Color: Black
- Insulation: PP (polypropylene)
- Nominal inductance: 0.17μH/ft.
- Nominal DCR: 23.5Ω/1000'
- Max. current: 2A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447339CG	1883A-010-U1000▲	1	1000' unreel	\$162.29	\$153.27	\$145.59

Audio Alarm and Security Cable

14 AWG stranded (19 x 27) bare copper (unshielded)

- Suitable applications: intercom/PA systems, sound/audio systems, fire alarms
- Insulation: PVC 0.014" diameter
- UL1666 vertical riser flame test
- Nominal capacitance: 31pF/ft.
- Max. operating voltage: 300Vrms
- Color: gray
- Outer jacket: PVC
- Nominal inductance: 0.15μH/ft.
- Nominal DCR: 2.53Ω/1000'
- Max. current: 8A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447355CG	5100UE-008-500▲	1	500' reel	\$98.85	\$93.63	\$88.95

16 AWG stranded (19 x 29) bare copper (unshielded)

- Suitable applications: addressable fire systems, data circuits, monitor/detection, control circuits, initiating circuits, notification circuits
- Insulation: PVC 0.010" diameter
- UL1666 vertical riser flame test
- Nominal capacitance: 33pF/ft.
- Max. operating voltage: 300Vrms
- Color: gray
- Outer jacket: PVC
- Nominal inductance: 0.15μH/ft.
- Nominal DCR: 4.2Ω/1000'
- Max. current: 6.25A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447363CG	5200UE-008-1000▲	1	1000' reel	\$107.39	\$101.99	\$96.89
447371CG	5200UE-008-500▲	1	500' reel	53.75	50.99	43.78

Low Capacitance Cable For EIA RS-232/422 Applications

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded tinned copper drain wire

- Insulation: Datalene® FPE (foam polyethylene)
- Outer shield: Beldfoil® aluminum foil – polyester tape w/ shorting fold, braid tinned copper 65% coverage
- Outer jacket: PVC
- UL1685 flame test
- Nominal capacitance: 12.5pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal impedance: 100Ω
- Nominal DCR: 24Ω/1000'
- Max. current: 1.5A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447443CG	8107-060-100▲	7	100' reel	\$198.39	\$179.98	\$170.99

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded tinned copper drain wire

- UL1685 flame test
- Insulation: Datalene® FPE (foam polyethylene)
- Outer shield: Beldfoil® aluminum foil – polyester tape w/ shorting fold, braid tinned copper 65% coverage
- Outer jacket: PVC
- Nominal impedance: 100Ω
- Nominal capacitance: 12.5pF/ft.
- Max. operating voltage: 300Vrms
- Color: Chrome
- Nominal DCR: 24Ω/1000'
- Max. current: 1.1A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447451CG	8110-060-100▲	10	100' reel	\$230.89	\$209.48	\$199.99

Composite Data, Audio, Video, Security and Control Cable

Two RG6 18 AWG solid bare copper conductors and two 4-pair UTP 24 AWG solid bare copper conductors

- Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Component nominal outer diameter: .200"
- Banana Peel™ jacketless cables
- Color: black

Part No.	Product No.	Description	1	5	10
734164CG	7913S-500	500' reel	\$279.85	\$264.83	\$262.53
734163CG	7913S-1000	1000' reel	700.85	682.06	663.31



Belden Paired Cables (Continued)

Paired DataTwist® Category 5e UTP Cable

TIA/EIA – 568-B.2, unbonded-pair cable

- 4 pair unshielded
- Maximum DCR per 100m – 9.38Ω
- Input impedance: 100Ω
- 24 AWG solid

1585A series:

- Plenum, FEP Teflon® insulation, Flamarrst® jacket
- Nominal outer dia.: 0.200"

1583A series:

- Non-plenum, polyolefin insulation, PVC jacket
- Nominal outer dia.: 0.214"

Part No.	Product No.	Color	Description	1	5	10
734093CG	1585A-100-877	Natural	100' reel	\$29.99	\$28.49	\$26.99
734095CG	1585A-500-877	Natural	500' reel	129.99	114.99	99.99
734094CG	1585A-1000-877	Natural	1000' reel	199.99	182.49	181.89
734096CG	1585A-U1000-877	Natural	1000' unreel box	199.99	189.99	179.99
734097CG	1585A-U100-D15	Blue	100' unreel box	29.99	28.49	26.99
734099CG	1585A-U500-D15	Blue	500' unreel box	129.99	114.99	99.99
734098CG	1585A-U1000-D15	Blue	1000' unreel box	199.99	189.99	179.99
734090CG	1583A-100-06	Blue	100' reel	15.15	13.61	12.25
734177CG	1583A-500-06	Blue	500' reel	71.19	64.05	57.65
734091CG	1583A-1000-06	Blue	1000' reel	142.35	128.11	115.30
734092CG	1583A-U1000-06	Blue	1000' unreel box	117.65	116.46	115.30
447179CG	1583A-U1000-02▲	Red	1000' unreel box	83.19	74.22	66.32
447187CG	1583A-U1000-03▲	Orange	1000' unreel box	116.95	105.95	94.95
447195CG	1583A-U1000-04▲	Yellow	1000' unreel box	83.19	74.22	66.32
447208CG	1583A-U1000-05▲	Dk. green	1000' unreel box	83.19	74.22	66.32
447216CG	1583A-U1000-09	White	1000' unreel box	83.19	74.22	66.32
447224CG	1583A-U1000-10	Black	1000' unreel box	119.95	114.95	109.95
447232CG	1583A-U1000-F6H▲	Dk. gray	1000' unreel box	90.45	85.89	81.59



Belden Hook-Up Wire

UL AWM Style 1007

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.

- Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated
- Increments of 100' or 1000' reels

Use the color code chart below to replace the "xx" when ordering

02 – Brown	03 – Red	04 – Orange	05 – Yellow	06 – Green
08 – Violet	09 – Gray	10 – White	11 – Black	14 – Dark blue

e.g. 734602CG – 7346 is the Jameco designation for 28 AWG stranded wire and 02 is for color brown

Part No.	Product No.	Description	1	5	10
7346xxCG	9928-100-xx	28 AWG (7 x 36) stranded	\$17.65	\$15.94	\$14.26
7345xxCG	9926-100-xx	26 AWG (7 x 34) stranded	16.85	15.25	13.84
7344xxCG	9923-100-xx	*24 AWG (7 x 32) stranded	15.89	14.44	13.08
7343xxCG	9921-100-xx	22 AWG (7 x 30) stranded	14.79	13.51	12.26
7342xxCG	9919-100-xx	20 AWG (7 x 28) stranded	23.69	21.48	19.55
7341xxCG	9918-100-xx	18 AWG (16 x 30) stranded	20.39	19.19	16.79
7340xxCG	9916-100-xx	16 AWG (26 x 30) stranded	38.79	31.52	29.14
447902CG	9923-1000-02▲	24 AWG (7 x 32) stranded red	101.35	96.64	91.94
447911CG	9923-1000-07▲	24 AWG (7 x 32) stranded violet	91.55	83.66	76.91

* Not available in violet, gray or dark blue

Order Anytime, Day or Night

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Hook-up Wire & Multi-Conductor Cables

Color Code Legend
New Sale Lower\$ QtySave

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.



Bus Bar Hook-Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
734169CG	8022-100	24 AWG, 100' reel	\$13.45	\$12.95	\$11.95
734170CG	8022-1000	24 AWG, 1000' reel	70.55	56.99	52.62
734167CG	8021-100	22 AWG, 100' reel	13.45	10.81	9.77
734168CG	8021-1000	22 AWG, 1000' reel	91.39	77.91	72.05
734165CG	8020-100	20 AWG, 100' reel	13.29	11.67	10.55
734166CG	8020-1000	20 AWG, 1000' reel	141.49	120.59	111.51



Belden Multi-Conductor Cables

Audio, Control and Instrumentation Cable

22 AWG stranded (7 x 30) tinned copper (unshielded)

- Insulation and outer jacket: PVC
- Color: Chrome
- Nominal inductance: 0.17µH/ft.
- Nominal capacitance: 34pF/ft.
- Max. operating voltage: 300Vrms
- Nominal DCR: 15.6Ω/1000'
- Max. current: 2.1A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447873CG	9430-060-U1000	7	1000' unreel	\$387.05	\$351.16	\$333.59

Computer Cable For EIA RS-232 Applications

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded TC drain wire

- Insulation and outer jacket: PVC
- Color: Chrome
- Nominal DCR: 25Ω/1000'
- Nominal capacitance: 33pF/ft.
- Outer shield: Beldfoil® aluminum foil-polyester tape 100% coverage
- Max. operating voltage: 300Vrms
- Max. current: 1.75A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447890CG	9536-060-500	6	500' unreel	\$179.19	\$169.99	\$160.05

Unshielded Audio, Control and Instrumentation Cable

18 AWG stranded (19 x 30) tinned copper

- Insulation & outer jacket: PVC
- Color: Chrome
- Nominal capacitance: 26pF/ft.
- Max. operating voltage: 300Vrms
- Nominal DCR: 6.3Ω/1000'
- Max. current: 4A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447566CG	8489-060-U1000	4	1000' unreel	\$480.19	\$400.50	\$385.85

Audio, Control and Instrumentation Cable

18 AWG stranded (19 x 30) tinned copper with 20 AWG stranded TC drain wire

- Insulation: S-R PVC (semi-rigid PVC)
- Outer shield: Beldfoil® (Z-Fold®) aluminum foil-polyester tape 100% coverage
- Color: chrome
- Outer jacket: PVC
- Nominal capacitance: 70pF/ft.
- Max. operating voltage: 300Vrms
- UL1685 FT4 flame test
- Nominal DCR: 6.5Ω/1000'
- Max. current: 5A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447865CG	9418-060-500	4	500' reel	\$257.09	\$243.51	\$231.35

New Generation® Commercial Application Cable

18 AWG stranded (7 x 26) bare copper with 20 AWG stranded (7 x 28) TC drain wire

- Insulation: PVC 0.010" diameter
- Color: gray
- Outer jacket: PVC
- UL1666 vertical shaft flame test
- Outer shield: Beldfoil® aluminum foil – polyester tape w/ shorting fold 100% coverage
- Nominal capacitance: 38pF/ft.
- Max. operating voltage: 300Vrms
- Nominal DCR: 7.2Ω/1000'
- Max. current: 4A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447401CG	5302FE-008-U1000	4	1000' unreel	\$176.75	\$167.89	\$144.10

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

Ⓡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Belden Multi-Conductor Cables (Cont'd)

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
733235CG	8771-100-60	3	100' reel	\$29.99	\$25.95	\$24.65
733243CG	8771-500-60	3	500' reel	130.05	127.50	124.95
733252CG	8771-1000-60	3	1000' reel	228.15	215.17	202.52
734068CG	8771-U500-60	3	500' unreel box	149.99	142.31	134.39
734067CG	8771-U1000-60	3	1000' unreel box	298.95	281.99	265.41

22 AWG stranded (7 x 30) unshielded

- PVC insulation
- Color: chrome



				8442 Series		
				8443 Series		
				8444 Series		
				8445 Series		
Part No.	Product No.	Conductors	Description	1	5	10

Part No.	Product No.	Conductors	Description	1	5	10
732996CG	8442-100-60	2	100' reel	\$11.99	\$10.99	\$9.99
733008CG	8442-500-60	2	500' reel	51.59	48.91	46.19
733016CG	8442-1000-60	2	1000' reel	139.39	133.48	123.82
734055CG	8442-U500-60	2	500' unreel box	70.39	66.71	62.99
734054CG	8442-U1000-60	2	1000' unreel box	96.45	92.38	85.69
733024CG	8443-100-60	3	100' reel	15.69	14.25	12.94
733032CG	8443-500-60	3	500' reel	72.75	68.91	65.09
733041CG	8443-1000-60	3	1000' reel	189.95	179.95	169.95
734057CG	8443-U500-60	3	500' unreel box	72.75	68.91	65.09
734056CG	8443-U1000-60	3	1000' unreel box	137.79	130.17	120.75
733059CG	8444-100-60	4	100' reel	25.39	23.09	20.98
733067CG	8444-500-60	4	500' reel	92.99	88.07	83.19
733075CG	8444-1000-60	4	1000' reel	176.19	166.35	154.31
734059CG	8444-U500-60	4	500' unreel box	142.55	129.18	116.26
734058CG	8444-U1000-60	4	1000' unreel box	176.19	166.35	154.31
733083CG	8445-100-60	5	100' reel	25.15	22.76	20.69
733092CG	8445-500-60	5	500' reel	111.99	101.80	93.33
733104CG	8445-1000-60	5	1000' reel	220.25	207.99	192.96
734061CG	8445-U500-60	5	500' unreel box	190.49	173.14	158.74
734060CG	8445-U1000-60	5	1000' unreel box	374.65	353.75	328.19

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
734254CG	8772-U500-60	3	500' unreel box	\$149.99	\$136.36	\$124.99
734253CG	8772-U1000-60	3	1000' unreel box	306.45	280.92	259.29

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
733201CG	8770-100-60	3	100' reel	\$59.99	\$54.99	\$49.99
733219CG	8770-500-60	3	500' reel	210.09	190.59	173.18
733227CG	8770-1000-60	3	1000' reel	403.29	371.15	342.58
734084CG	8770-U500-60	3	500' unreel box	274.49	249.03	226.26
734083CG	8770-U1000-60	3	1000' unreel box	497.09	457.48	422.27

We're Listening to What You Need

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send your requests to NewProducts@Jameco.com.

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Wire & Cable

568641CG: Multi-Conductor Unshielded Communications & Control Cable

- 22 AWG (7 x 30) stranded tinned copper
- UL AWM 2576 type CM
- PVC jacket • Gray • 2 conductor



568691CG: Multi-Conductor Foil Shield Communication & Control

- 20 AWG (7 x 28) stranded tinned copper with 20 AWG (10 x 30) stranded drain wire tinned copper
- Rating: 300V; 75°C • 2 conductor
- PE insulation • PVC jacket (gray)



568827CG: Xtra Guard® I Multi-Conductor, Unshielded Cable

- 24/20/18/16 AWG stranded tinned copper
- UL type CM, AWM 2464 • PVC jacket
- Rating: 300V; -20°C to 80°C



568747CG: 0.050" Centers Flat Ribbon Cable

- Rating: 300V; -20°C to 105°C • PVC insulation
- Nominal capacitance: 14pF/ft. • 9 conductors
- Nominal impedance: 105Ω • Stranded tinned

- UL style 2651
- Gray



Part No.	Product No.	Description	1	10	100
568641CG	1172C SL005♣	100' reel	Because of price volatility,		
568691CG	2411C SL002♣	500' reel	get current pricing by		
568827CG	5062C SL005♣	100' reel	entering part number at		
568747CG	3580/9 SL005♣	100' reel	www.Jameco.com		

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaWire

Hook-Up Wire

568721CG: Type B MIL-W-16878E

- 600V • PVC insulation • Green
- Operating temp: -20°C to 105°C
- 10 AWG (105 x 30) stranded



568886CG: Type EE UL Style 1880 MIL-W-16878E

- 18 AWG (19 x 30) stranded • Yellow
- TFE Teflon insulation • Rating: 1000V; 200°C



568659CG/568667CG: Type MW MIL-W-76B

- PVC insulation • Rating: 1000V; 80°C • Yellow
- 18 AWG (16 x 30) and 12 AWG (65 x 30) stranded tinned copper



568704CG: Type E MIL-W-16878E

- 22AWG Solid • Color: orange
- Teflon (PTFE) insulation • Voltage rating: 600Vrms

568712CG: AWM / Style1015

- 14AWG stranded (41 x 30) tinned copper • PVC insulation
- Voltage rating: 600Vrms • Color: red

568923CG: AWM / Style1430

- 18AWG stranded (7 x 26) tinned copper • PVC insulation
- Voltage rating: 300Vrms • Color: green

Part No.	Product No.	Description	1	5	10
568721CG	3081 GR005♣	100' reel			
568886CG	5877 BK005♣	100' reel	Because of price		
568659CG	1555 GR005♣	100' reel	volatility, get current		
568667CG	1560 GR005♣	100' reel	pricing by entering		
568704CG	2855/1 OR001♣	100' reel	part number at		
568712CG	3079-RD001♣	100' reel	www.Jameco.com		
568923CG	7133-GR001♣	100' reel			

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaHookupWire



Shielding Grounding Strap

A tight weave of multi-strand, soft drawn tinned copper wire, this shielding ground strap is an ideal material for short run cables providing easy radial termination.

- Applications: point-to-point ground path, wire/cable shielding
- Nominal ID – 11/64" (4.37mm); braid construction – 36AWG individual ends 168 individual ends; 14 AWG equivalence

Part No.	Product No.	Length	1	10	100
568675CG	2168-SV003♣	250 ft. tinned copper braid	\$181.95	\$172.86	\$164.22

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend

New Sale Lower\$ QtySave

Solid Hook-Up Wire – 22 AWG


- Temp. range: -55°C to +105°C • Passes UL VW-1 flame test
- Weight: 100' (0.3 lbs.); 1000' (3.8 lbs.) • MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 331



Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36768CG	122BE/C	Blue	\$5.49	36776CG	122BE/K	Blue	\$39.99
36792CG	122BK-R/C	Black	5.49	36805CG	122BK/K	Black	39.99
36822CG	122G-R/C	Green	5.49	36840CG	122G/K	Green	39.99
36856CG	122R/C	Red	5.49	36864CG	122R/K	Red	39.99
36881CG	122W-R/C	White	5.49	36899CG	122W/K	White	39.99
36920CG	122Y/C	Yellow	5.49	36928CG	122Y/K	Yellow	39.99



UL 1430 Stranded Hook-up Wire

- Temperature rating: 105°C • Voltage: 300V
- Average wall thickness: 0.016 • 18/20 AWG
- Sold in 100' rolls 




Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918CG	18	Black	19 x 30	0.082	2.083	\$19.95	\$17.95	\$16.15
307926CG	18	Red	19 x 30	0.082	2.083	19.95	17.75	16.15
305015CG	18	Orange	7 x 26	0.082	2.083	19.95	17.95	16.15
305023CG	18	Yellow	7 x 26	0.082	2.083	19.95	17.95	16.15
304995CG	20	Yellow	19 x 32	0.071	1.803	19.95	17.95	16.15
305007CG	20	Gray	19 x 32	0.071	1.803	19.95	17.95	16.15
304979CG	20	Blue	7 x 28	0.070	1.778	19.95	17.95	16.15
304987CG	20	Gray	7 x 28	0.070	1.778	19.95	17.95	16.15
307897CG	20	Black	7 x 28	0.070	1.778	19.95	17.95	16.15
307900CG	20	Red	7 x 28	0.070	1.778	19.95	17.95	16.15

UL 1007 Stranded Hook-Up Wire

300 Volts

- 80°C • PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64 • Sold in 100' rolls



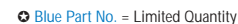


Part No.	Cross Ref.	AWG	Color	Wt. (lbs.)	1	5	10
126084CG	223SBK/C	22 (7x30)	Black	0.4	\$3.39	\$3.19	\$2.99
126033CG	223SR/C	22 (7x30)	Red	0.4	3.39	3.19	2.99
126076CG	223SW/C	22 (7x30)	White	0.4	3.39	3.19	2.99
310851CG	UL1007-22-GR-C	22 (7x30)	Green	1.0	4.05	3.83	3.59
310877CG	UL1007-22-YL-C	22 (7x30)	Yellow	1.0	3.39	3.19	2.99
310885CG	UL1007-22-BL-C	22 (7x30)	Blue	1.0	3.39	3.19	2.99
125840CG	203SBK/C	20 (10x30)	Black	0.6	4.95	4.75	4.49
125794CG	203SR/C	20 (10x30)	Red	0.5	5.95	5.70	5.39
125831CG	203SW/C	20 (10x30)	White	0.5	5.95	5.70	5.39
310893CG	UL1007-20-GR-C	20 (10x30)	Green	1.0	5.95	5.70	5.39
310915CG	UL1007-20-YL-C	20 (10x30)	Yellow	1.0	4.95	4.75	4.49
310922CG	UL1007-20-BL-C	20 (10x30)	Blue	1.0	5.95	5.70	5.39
125786CG	183SBK/C	18 (16x30)	Black	0.8	5.79	5.55	5.25
125735CG	183SR/C	18 (16x30)	Red	0.8	5.79	5.55	5.25
125751CG	183SW/C	18 (16x30)	White	0.8	5.79	5.55	5.25
310931CG	UL1007-18-GR-C	18 (16x30)	Green	1.0	6.95	6.66	6.30
310949CG	UL1007-18-YL-C	18 (16x30)	Yellow	1.0	6.95	6.66	6.30
310958CG	UL1007-18-BL-C	18 (16x30)	Blue	1.0	5.79	5.55	5.25

Twisted Pair Cable – 24 AWG

- PVC insulation • Reduced EMI
- Use for hook up wire • 80°C
- Stranded tinned wire (7 x 32) • 300 V
- Weight: 100' (0.5 lbs.); 1000' (4.7 lbs.)





Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
105911CG	224GW/C	Green/white	\$5.99	105806CG	224GW/K	Green/white	\$44.99
173147CG	224RW/C	Red/white	5.99	173155CG	224RW/K	Red/white	44.99
173163CG	224BW/C	Black/white	5.99	173171CG	224BW/K	Black/white	44.99

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Call for OEM pricing

JAMECO ValuePro Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- PVC jacket
- 7 x 43 stranded
- Gray

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644666CG	300-840SL-100	4	100	\$3.49	\$3.29	\$3.09
644674CG	300-840SL-1000	4	1000	29.99	28.49	27.05
644691CG	300-860SL-100	6	100	7.49	6.75	6.09
644703CG	300-860SL-1000	6	1000	49.99	47.49	45.09
644720CG	300-880SL-100	8	100	9.99	9.49	8.99
644738CG	300-880SL-1000	8	1000	61.99	58.89	55.95

JAMECO ValuePro Category 5e/5 Network Cable

- 4 twisted pairs
- Insulation: polyethylene
- Nom. OD.: 0.189"
- Nom. impedance: 100
- UTP

A Jameco EXCLUSIVE

Solid: uses modular plug P/N 119343CG, pg 115
Stranded: uses modular plug P/N 79281CG, pg 115
 • Prepackaged and priced in increments of 25', 100' or 1000'

24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644543CG	10X5-701TH-25	Solid	Gray	25	\$4.99	\$4.75
644551CG	10X5-701TH-100	Solid	Gray	100	16.99	16.15
644560CG	10X5-701TH-1000	Solid	Gray	1000	99.99	94.99
645714CG	10X5-704TH-25	Solid	Blue	25	4.99	4.75
645722CG	10X5-704TH-100	Solid	Blue	100	16.99	16.15
645731CG	10X5-704TH-1000	Solid	Blue	1000	99.99	94.99
644578CG	10X5-801TH-25	Stranded	Gray	25	5.99	5.69
644586CG	10X5-801TH-100	Stranded	Gray	100	17.99	16.19
644594CG	10X5-801TH-1000	Stranded	Gray	1000	159.99	143.99
644607CG	10X5-804TH-25	Stranded	Blue	25	5.99	5.69
644615CG	10X5-804TH-100	Stranded	Blue	100	17.99	16.19
644623CG	10X5-804TH-1000	Stranded	Blue	1000	159.99	151.99
645749CG	10X5-805TH-25	Stranded	Red	25	5.99	5.69
645757CG	10X5-805TH-100	Stranded	Red	100	17.99	16.19
645765CG	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99
645773CG	10X5-802TH-25	Stranded	Black	25	5.99	5.69
645781CG	10X5-802TH-100	Stranded	black	100	17.99	16.19
645790CG	10X5-802TH-1000	Stranded	Black	1000	159.99	143.99
645802CG	10X5-806TH-25	Stranded	Yellow	25	5.99	5.69
645811CG	10X5-806TH-100	Stranded	Yellow	100	17.99	16.19
645829CG	10X5-806TH-1000	Stranded	Yellow	1000	159.99	143.99

24 AWG UTP Category 5 – 100MHz • 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631CG	GTP501-4P-GR-25	Stranded	Gray	25	\$5.95	\$5.65
644640CG	GTP501-4P-GR-100	Stranded	Gray	100	19.35	18.39
644658CG	GTP501-4P-GR-1000	Stranded	Gray	1000	164.49	156.25

Kynar™ Wire Wrap Wire – 30 AWG

- Assorted color coded insulation
- Color coded Kynar™ (Polyvinidene Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 312
- See pg 155 for sockets
- Used for prototyping
- UL 1423
- Passes UL VW-1 flame test

A Jameco EXCLUSIVE

22542CG

Part No.	Color	Wt. (lbs.)	100 ft.	Part No.	Color	Wt. (lbs.)	1000 ft.
22542CG	Blue	0.1	\$4.99	22551CG	Blue	0.6	\$29.95
22577CG	Black	0.1	4.95	22585CG	Black	0.6	29.95
22631CG	Red	0.1	4.95	22649CG	Red	0.6	29.95
22665CG	White	0.1	4.95	22673CG	White	0.6	29.95
22606CG	Green	0.1	4.95	22614CG	Green	0.6	29.95
22700CG	Yellow	0.1	4.95	22702CG	Yellow	0.6	29.95

JAMECO ValuePro Multiconductor Shielded Computer Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- 24 AWG (7 x 32 AWG)
- Shielded 100% w/ aluminum mylar
- Prepackaged and priced in increments listed below
- Color: gray
- Drain wire

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Conductors	Diameter	Length	1	25
644383CG	SC4-25	4	0.20"	25'	\$4.75	\$4.49
644391CG	SC4-100	4	0.20"	100'	16.99	16.15
644404CG	SC4-1000	4	0.20"	1000'	139.99	132.99
644412CG	SC9-25	9	0.23"	25'	11.25	10.69
644421CG	SC9-100	9	0.23"	100'	34.99	33.25
644439CG	SC9-1000	9	0.23"	1000'	269.99	256.49
644447CG	SC15-25	15	0.28"	25'	14.75	13.99
644455CG	SC15-100	15	0.28"	100'	48.99	46.55
644463CG	SC15-1000	15	0.28"	1000'	429.99	408.49
644471CG	SC25-25	25	0.37"	25'	22.25	21.15
644480CG	SC25-100	25	0.37"	100'	70.99	67.45
644498CG	SC25-500	25	0.37"	500'	589.99	560.49

JAMECO ValuePro Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- 28 AWG (7 x 36)
- Stranded copper wire
- Center spacing: 0.05"
- Temperature rating: -20°C to +80°C
- Prepackaged and priced in increments listed below
- Voltage rating: 300V

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
639672CG	28RC10-10	10	10'	\$1.99	\$1.95	\$1.89
643508CG	28RC10-25	10	25'	8.39	7.56	6.80
643516CG	28RC10-100	10	100' reel	19.99	19.49	18.99
643532CG	28RC16-10	16	10'	3.49	3.29	3.09
643541CG	28RC16-25	16	25'	13.45	12.08	10.88
643559CG	28RC16-100	16	100' reel	52.19	46.95	42.26
643575CG	28RC20-10	20	10'	4.99	4.75	4.49
643583CG	28RC20-25	20	25'	16.79	15.11	13.60
643591CG	28RC20-100	20	100' reel	65.25	58.70	52.83
643612CG	28RC25-10	25	10'	6.99	6.65	6.29
643621CG	28RC25-25	25	25'	15.99	15.19	14.45
643639CG	28RC25-100	25	100' reel	59.99	56.99	54.15
643655CG	28RC34-10	34	10'	7.99	7.59	7.19
643663CG	28RC34-25	34	25'	17.99	16.99	16.15
643671CG	28RC34-100	34	100' reel	69.99	66.99	64.15
643698CG	28RC40-10	40	10'	8.99	8.55	8.09
643701CG	28RC40-25	40	25'	33.59	30.22	27.20
643719CG	28RC40-100	40	100' reel	79.99	75.99	72.19
643735CG	28RC50-10	50	10'	10.99	10.45	9.95
643743CG	28RC50-25	50	25'	41.95	37.75	33.98
643751CG	28RC50-100	50	100' reel	163.15	146.75	132.11

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V
- Blue Part No. = Limited Quantity Available

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Length	Wt. (lbs.)	1	10	25
100280CG	224BK/C	100'	0.8	\$5.59	\$4.99	\$4.49
100298CG	224BK/K	1000'	7.8	44.99	40.49	36.45

Belden Flat Ribbon Cables

see inside back cover

BELDEN

NEW

Call for OEM pricing

JAMECO ValuePro

Gray Flat Ribbon Cable – 28 AWG

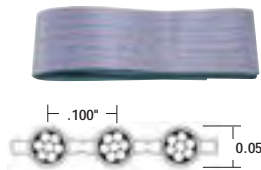
- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC)
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C
- 28 AWG (7 x 36)
- Voltage rating: 300V
- Stranded copper wire
- Prepackaged and priced in increments listed below



Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643794CG	171-10-10R	10	10'	\$1.49	\$1.39	\$1.29
643807CG	171-10-25R	10	25'	3.19	3.09	2.99
643815CG	171-10-100R	10	100' reel	11.49	10.99	10.49
643831CG	171-16-10R	16	10'	2.19	2.09	1.99
643840CG	171-16-25R	16	25'	4.99	4.49	3.99
643858CG	171-16-100R	16	100' reel	15.99	14.99	13.99
643874CG	171-20-10R	20	10'	3.99	3.79	3.59
643882CG	171-20-25R	20	25'	6.25	5.99	5.69
643891CG	171-20-100R	20	100' reel	29.25	26.31	23.68
643911CG	171-25-10R	25	10'	3.89	3.79	3.69
643920CG	171-25-25R	25	25'	8.75	8.29	7.85
643938CG	171-25-100R	25	100' reel	24.99	23.75	22.55
643962CG	171-26-10R	26	10'	3.49	3.29	3.09
643971CG	171-26-25R	26	25'	7.99	7.59	7.19
643989CG	171-26-100R	26	100' reel	24.99	23.69	22.49
644033CG	171-34-10R	34	10'	4.25	3.99	3.79
644041CG	171-34-25R	34	25'	9.25	8.79	8.35
644050CG	171-34-100R	34	100' reel	31.99	30.39	28.85
644076CG	171-37-10R	37	10'	5.89	5.59	5.29
644084CG	171-37-25R	37	25'	11.75	11.15	10.59
644092CG	171-37-100R	37	100' reel	34.99	33.25	31.59
644113CG	171-40-10R	40	10'	7.39	6.99	6.65
644121CG	171-40-25R	40	25'	17.49	16.59	15.75
644130CG	171-40-100R	40	100' reel	47.99	45.59	43.29
644156CG	171-50-10R	50	10'	6.75	6.39	6.05
644164CG	171-50-25R	50	25'	14.49	13.75	13.05
644172CG	171-50-100R	50	100' reel	48.99	46.55	44.19
644199CG	171-60-10R	60	10'	8.95	8.49	8.05
644201CG	171-60-25R	60	25'	19.75	18.75	17.79
644210CG	171-60-100R	60	100' reel	64.99	61.75	58.65

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m
- Inductance: 1.45µH/m



Part No.	Cross Ref.	Length	1	10	25
363813CG	H24G-10-10G	10'	\$8.99	\$8.49	\$7.99
363821CG	H24G-10-25G	25'	19.99	18.99	17.99
363856CG	H24G-10-100G	100'	69.99	64.99	59.99
363864CG	H24G-10-250G	250' reel	199.99	174.99	149.99

Save Big! Special Values!

Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

JAMECO ValuePro

RG Type Bulk Coaxial Cable

- RG58/U & RG58A/U (50Ω): Nom. cap.: 27pF/ft.; center resist.: 10.4Ω/1000ft. @ 77°F
- RG59/U (75Ω): Nominal capacitance: 19pF/ft.; center resist.: 16.5Ω/1000ft. @ 77°F
- RG174/U (50Ω): Nominal capacitance: 30.8pF/ft.; center resist.: 97Ω/1000ft. @ 77°F
- For CATV & video patch cords
 - For ethernet, oscilloscopes

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EXCLUSIVE

Part No.	Cross Ref No.	Type	Description	Length	1	25	50
644754CG	RG58/U-100	RG58/U	20 AWG solid	100'	\$11.99	\$11.39	\$10.79
644762CG	RG58/U-1000	RG58/U	20 AWG solid	1000'	108.49	103.05	97.89
644771CG	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	18.99	17.99	17.09
644789CG	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	149.99	142.49	135.35
644797CG	RG59/U-100	RG59/U	22 AWG solid	100'	12.99	12.35	11.75
644800CG	RG59/U-1000	RG59/U	22 AWG solid	1000'	109.99	104.49	99.25
644818CG	RG174/U-100	RG174/U	26 AWG stranded	100'	18.99	17.99	17.09
644826CG	RG174/U-1000	RG174/U	26 AWG stranded	1000'	168.99	160.55	152.49

Quantity SAVE

Disk Drive Cables



185084CG



185076CG



72805CG

Part No.	Description	Length	1	10	100
185084CG	34-pin header socket ribbon cable for floppy drive	25"	\$1.19	\$0.99	\$0.75
32918CG	34-pin header socket ribbon cable for floppy to card	23"	3.49	2.97	2.22
355637CG	40-pin IDE hard drive cable to card	11.5"	.89	.86	.83
185076CG	40-pin IDE hard drive cable to card	14"	.95	.71	.53
32686CG	40-pin IDE hard drive cable to card	18"	.95	.90	.85
72805CG	Two 40-pin header socket ribbon cable for IDE drive	18"	3.69	3.14	2.35
175492CG	40-pin header socket ribbon cable for ultra DMA66/100	17"	6.95	6.25	5.49

Internal & External SCSI Cables for
Complete Connectivity

32715CG



137550CG



118076CG

- For PC/XT/AT and compatibles
- All lines connected

Part No.	Description	1	10	100
32715CG	50-pin header socket ribbon cable SCSI-I (18")	\$3.95	\$3.49	\$2.95
137550CG	68-pin header internal ribbon cable SCSI-III (27")	12.49	11.25	10.15
118076CG	Male HPDB50 to male HPDB50 SCSI-II to SCSI-II (6')	17.95	15.95	13.95

JAMECO ValuePro

Internal Serial ATA, ATA-133 &
Floppy Drive CablesA Jameco
EXCLUSIVE

348710CG



348795CG



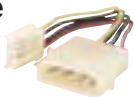
348841CG

SALE

Part No.	Description	Length	1	10	25
348710CG	Round Serial ATA cable, 90°, red, 7-pin	19.9"	\$4.19	\$3.70	\$3.52
348744CG	Round Serial ATA cable, 90°, red, 7-pin	39.4"	5.29	4.69	4.45
348728CG	Round Serial ATA cable, 180°, red, 7-pin	19.9"	4.19	3.70	3.52
348736CG	Round Serial ATA cable, 180°, red, 7-pin	39.4"	5.29	4.69	4.45
348752CG	Round ATA-133/IDE cable, dual 40-pin, blue	18"	4.25	3.84	3.65
348761CG	Round ATA-133/IDE cable, dual 40-pin, black	18"	4.25	3.84	3.65
348779CG	Round ATA-133/IDE cable, dual 40-pin, blue	24"	4.89	4.60	4.38
348787CG	Round ATA-133/IDE cable, dual 40-pin, black	24"	4.89	4.60	4.38
348795CG	Round floppy drive cable, 34-pin, blue	18"	5.95	5.95	5.19
348808CG	Round floppy drive cable, 34-pin, black	18"	5.95	5.46	5.19
348816CG	Round floppy drive cable, 34-pin, blue	24"	6.89	6.49	6.17
348841CG	Serial ATA power cable ext., 15-pin to 4-pin	6"	2.49	2.30	2.19

3.5" Disk Drive Power Adapter Cable

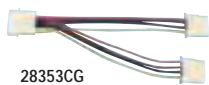
- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies



Part No.	Length	AWG	1	10	100
28396CG	3.5"	22	\$2.49	\$2.25	\$1.95

3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females



Blue Part No. = Limited Quantity Available

Part No.	Drive	AWG	Length	1	10	100
28353CG	5.25"	18	5"	\$2.95	\$2.69	\$2.39
277528CG	5.25"	20	6"	2.85	2.59	2.25
72303CG	3.5"	22	5"	2.75	2.49	2.19

AT/ATX Power Supply Extension Cables

348891CG:

- For use with 12-pin AT power supplies

326490CG/170237CG:

- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply

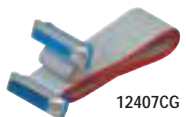


Blue Part No. = Limited Quantity Available

Part No.	Length	AWG	1	10	100
348891CG	9.75"	18	\$1.89	\$1.78	\$1.69
170237CG	15"	18	5.95	5.65	5.35

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts



Part No.	Description	1	10	100
12407CG	4' DB25 M-F	\$4.49	\$3.95	\$3.59
208582CG	6' DB9 M-F	3.95	3.55	3.19

PC/XT/AT & PS/2 Keyboard Extension Cables

- Color: beige

Quantity SAVE

114981CG/112045CG:

- 5-pin DIN male-to-female

28548CG/111053CG:

- 6-pin mini DIN female-to-male



Part No.	Description	1	10	100
114981CG	PC/XT/AT 6' non-coiled	\$1.99	\$1.69	\$1.27
112045CG	PC/XT/AT 10' non-coiled	3.95	3.36	2.52
28548CG	PS/2 6' non-coiled	4.35	3.89	3.49
111053CG	PS/2 10' non-coiled	5.49	4.99	4.39

Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.

- Size: 1.9"L x 1.2"W



Part No.	Description	1	10	100
319791CG	PS/2 adapter	\$2.75	\$2.59	\$2.45

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables

28003CG/319783CG:

- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



310789CG:

- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CG	4.5"	Black	\$2.45	\$2.19	\$1.99
28003CG	6.5"	Beige	3.95	3.49	3.15
310789CG	7.5"	Beige	3.95	3.49	3.15

IEEE 1284 Parallel/ Serial High Speed Cables

Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.

- Double shielded with 28 AWG stranded twisted pair inner conductors
- Molded shells, PVC plastic
- Color: beige (P/N 130067CG/319767CG); black (P/N 161630CG); gray (P/N 223845CG)



Part No.	Description	1	10
130067CG	6' DB25 M-Cent. parallel 36M	\$11.95	\$10.95
319767CG	6' DB25 M-Cent. parallel 36M	4.95	4.69
223845CG	6' DB25 M-Cent. parallel 36M	11.95	10.95
161630CG	10' DB25 M-M serial cable	14.95	13.49

IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.



Part No.	Description	Wt. (lbs.)	1	10	25
73154CG	1 meter	0.8	\$36.49	\$32.79	\$29.49
115781CG	2 meter	1.2	37.95	34.19	30.95
115801CG	4 meter	2.0	38.95	36.19	31.95

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181403CG/180697CG Pin outs:

1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438CG Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582CG Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)

180742CG Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8



Part No.	Description	Wt. (lbs.)	1	10	50
181403CG	6' DB9 F to DB9 F	0.3	\$5.69	\$5.09	\$4.59
180697CG	10' DB9 F to DB9 F	0.4	6.79	6.09	5.49
181438CG	6' DB25 M to DB9 F	0.4	4.95	4.49	3.95
180582CG	10' DB25 M to DB9 F	0.4	6.69	6.05	5.45
180742CG	10' DB25 F to DB9 F	0.5	7.39	6.65	5.99

RGB Video Cables

- 75Ω coaxial cable; 6' or 10'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Weight: 0.9 lbs.



Part No.	Description	1	10	25
73648CG	6' cable (black)	\$19.95	\$16.99	\$12.75
118068CG	10' cable (black)	23.35	19.85	14.89

VGA Monitor Cables

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male

66173CG



Part No.	Description	1	10	100
66173CG	6' monitor cable	\$6.49	\$5.89	\$5.29
148523CG	10' monitor cable	6.95	6.25	5.59

9-Pin Monitor Cable

- For monochrome, RGB, EGA and multisync monitors
- Connects video card to monitor
- IBM PC/XT and higher compatibles



Part No.	Description	1	10	100
66157CG	6' DB9 M-M	\$4.45	\$3.95	\$3.55

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles
- 134041CG:
- HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews
- 66165CG/148531CG:
- Thumbscrews on each end



Part No.	Description	1	10	100
134041CG	6' screws/hex nuts	\$4.49	\$3.95	\$3.49
66165CG	6' thumbscrews	6.59	5.95	5.35
148531CG	10' thumbscrews	7.49	6.79	5.99

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray (237032CG: black)



Part No.	Description	Length	1	10	100
181286CG	DA15 M-M	6'	\$5.49	\$4.95	\$4.45
181358CG	DA15 M-F	6'	5.49	4.95	4.45
237032CG	DA15 M-F	8'	6.99	5.95	4.45

Macintosh® Printer Cables

Part No.	Description	1	10	50
10604CG	6' mini DIN8M	\$3.29	\$3.15	\$2.99
130024CG	10' mini DIN8M	5.99	5.39	4.85

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

DB25-to-Centronics
Parallel Printer Cables

28716CG

164777CG

- Molded and fully shielded DB25 male and 36-pin Centronics male connectors
- IBM PC/XT and higher compatibles

Part No.	Description	Wt. (lbs.)	1	10	100
28716CG	6' straight	0.4 ...	\$3.95	\$3.56	\$3.20
223845CG	6' straight†	0.6 ...	11.95	10.95	9.75
123781CG	10' straight	0.6 ...	5.95	5.09	3.79
164777CG	10' rt. angle*	0.7 ...	4.95	4.45	3.95
28708CG	15' straight	0.8 ...	5.95	5.09	3.79
101899CG	25' straight	1.1 ...	5.95	5.06	3.79

† IEE 1284 * Centronics right angle

37-Pin Straight Through
Cable Adapters

180611CG

181294CG

- Molded connectors • Color: gray • Weight: 0.9 lbs.

Part No.	Description	1	10	100
180611CG	6' DC37 M-M	\$6.95	\$6.29	\$5.65
181294CG	6' DC37 M-F	5.95	5.49	4.95

Monitor/Mouse/Keyboard Cables

- 6' or 32'
- HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard, and DB9 male/female for mouse



141284CG

Part No.	Description	Wt. (lbs.)	1	10
141284CG	6' cable	1.6	\$22.95	\$19.95
141276CG	32' cable	4.8	39.95	35.95

Switch Box Adapter Cables

- 177261CG: Male to male non-coiled cable for P/N 79177CG switch box, pg 280
- 114913CG: Male to male coiled cable for P/N 114155CG switch box, pg 280
- 174772CG: Male to male
- 174908CG/205655CG: Male to male non-coiled
- 112627CG: Male to male non-coiled cable for P/N 79177CG switch box, pg 280



174772CG

Quantity SAVE



205655CG

Part No.	Description	Length	1	10	50
114913CG	5-pin DIN	5' (gray)	\$4.95	\$4.21	\$3.16
177261CG	6-pin mini DIN	2' (gray)	2.95	2.55	1.89
174772CG	6-pin mini DIN	6' (black)	4.95	4.25	3.19
174908CG	6-pin mini DIN	6' (gray)	5.75	5.15	4.65
112627CG	6-pin mini DIN	10' (beige)	7.95	7.25	6.49
205655CG	6-pin mini DIN	25' (beige)	8.95	7.95	6.95

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

DB9 Extension Cables



132345CG

25700CG

- All lines connected straight through
- 132345CG/196365CG: DB9 female to DB9 female cable with thumbscrews
- 199638CG/25700CG/148515CG: DB9 male to DB9 female cable with thumbscrews
- 181665CG: DB9 male to DB9 male cable

Part No.	Description	1	10	100	1000
132345CG	6' F-F	\$4.95	\$4.49	\$3.95	\$3.49
199638CG	6' M-F (blk)	4.49	3.95	3.49	2.95
25700CG	6' M-F	4.95	4.49	3.95	3.49
196365CG	10' F-F	6.95	6.25	5.59	4.95
148515CG	10' M-F	7.49	6.79	5.99	4.95
181665CG	10' M-M	6.95	6.25	5.59	4.95

9-Pin Test Cable

- DB9 M to DB9 F (6') **Quantity SAVE**
- Pin outs: 1-3, 2-2, 4-5



Part No.	Description	1	10	100
162915CG	DB9 male to DB9 female	\$2.95	\$2.51	\$1.88

DB9-to-DB25 AT-Adapter
Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors



31721CG

Part No.	Description	1	10	100
109583CG	1' serial, beige	\$4.35	\$3.95	\$3.49
189333CG	3' serial, beige	3.95	3.39	2.55
207790CG	4' serial, beige	2.35	2.15	1.95
31721CG	6' serial, beige	3.89	3.55	3.15
191361CG	6' serial, gray	4.39	3.99	3.15
155521CG	10' serial, beige	3.95	3.55	3.15

DB25 Extension Cables

- All lines connected straight through
- Use to lengthen your standard serial cable or for switch box applications
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001CG/175290CG: black*



67256CG

Part No.	Description	Wt. (lbs.)	1	10	50	100
174001CG	3' M-M*	0.6	\$4.79	\$4.35	\$3.89	\$3.49
401138CG	3' M-M	0.4 ...	4.45	4.25	3.99	3.79
65787CG	6' M-M	0.5 ...	6.49	5.89	5.29	4.89
39538CG	10' M-M	0.7 ...	6.95	6.29	5.05	3.69
179979CG	15' M-M	1.2 ...	6.95	6.26	5.63	5.07
67070CG	25' M-M	1.4	10.95	9.95	8.95	7.95
180435CG	50' M-M	3.6	14.95	13.49	11.95	9.95
164291CG	3' M-F	0.4 ...	4.29	3.89	3.49	2.95
175290CG	3' M-F*	0.4 ...	2.95	2.69	2.25	1.59
163133CG	5' M-F	0.6 ...	5.29	4.75	4.29	3.85
67256CG	6' M-F	0.6 ...	6.45	5.79	5.25	4.69
39511CG	10' M-F	0.7 ...	6.95	6.26	5.63	4.61
177279CG	15' M-F	1.0 ...	9.49	8.55	7.69	6.25
101995CG	25' M-F	1.4	11.95	10.79	9.69	7.95
181201CG	50' M-F	3.2	17.95	14.39	10.79	8.09
224266CG	6' F-F	0.7 ...	4.95	3.95	2.95	2.09

USB 2.0 Cables



USB-A (M) to USB-A (M)

USB-A (M) to USB-B (M)

USB-A (M) to USB-A (F)

- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326473CG	3' cable beige	\$1.55	\$1.39	\$1.29
229681CG	6' cable beige	1.65	1.49	1.39
222033CG	6' cable black	1.65	1.49	1.39
229551CG	6' cable clear	1.65	1.49	1.39
229690CG	10' cable beige	1.89	1.75	1.65
222041CG	10' cable black	1.89	1.75	1.65
229569CG	10' cable clear	1.89	1.75	1.65
229702CG	15' cable beige	2.85	2.59	2.49
222050CG	15' cable black	2.85	2.59	2.49
229577CG	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711CG	3' cable beige	\$1.55	\$1.39	\$1.29
222607CG	3' cable black	1.55	1.39	1.29
229585CG	3' cable clear	1.55	1.39	1.29
229729CG	6' cable beige	1.65	1.49	1.39
222009CG	6' cable black	1.65	1.49	1.39
229593CG	6' cable clear	1.65	1.49	1.39
229737CG	10' cable beige	1.89	1.75	1.65
222017CG	10' cable black	1.89	1.75	1.65
229606CG	10' cable clear	1.89	1.75	1.65
229761CG	15' cable beige	2.85	2.59	2.49
222025CG	15' cable black	2.85	2.59	2.49
229614CG	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326481CG	3' cable beige	\$1.55	\$1.39	\$1.29
229770CG	6' cable beige	1.65	1.49	1.39
222068CG	6' cable black	1.65	1.49	1.39
229622CG	6' cable clear	1.65	1.49	1.39
229788CG	10' cable beige	1.89	1.75	1.65
222076CG	10' cable black	1.89	1.75	1.65
229631CG	10' cable clear	1.89	1.75	1.65
229796CG	15' cable beige	2.85	2.59	2.49
222084CG	15' cable black	2.85	2.59	2.49
229649CG	15' cable clear	2.85	2.59	2.49

Digital Camera USB 2.0 Cables

- Color: black • Length: 6 ft.
- For use w/ digital cameras, memory card readers, etc.



Part No.	Product No.	1	10
673715CG	USB-A to mini 4-pin	\$2.99	\$2.65
673694CG	USB-A to mini 5-pin	2.75	2.35

USB 1.1 Cables

- USB-A Male to USB-B Male **Quantity SAVE**



Part No.	Description	1	10	25
308726CG	5' cable (black)	\$1.49	\$1.35	\$1.01
169359CG	6' cable	1.79	1.59	1.35

USB-A Cables with Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors
- 8" long



144813CG

Part No.	Description	1	10	25
144813CG	Female panel mount	\$3.95	\$3.75	\$3.55
319652CG	Male panel mount	3.95	3.75	3.55

IEEE 1394 Firewire Cables



175821CG

175839CG

175847CG

Connect your computer to the latest high speed Firewire peripherals.

- IEEE-1394 compliant
- UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
222631CG	3' cable black	\$4.99	\$4.45	\$3.95
175821CG	6' cable black	5.59	5.05	4.55
222244CG	10' cable black	6.99	6.25	5.65
222252CG	15' cable black	8.59	7.75	6.95

4-pin Male to 6-pin Male

Part No.	Description	1	10	25
222623CG	3' cable black	\$4.99	\$4.45	\$3.95
175839CG	6' cable black	5.59	5.05	4.55
222228CG	10' cable black	6.99	6.25	5.65
222236CG	15' cable black	8.59	7.75	6.95

6-pin Male to 6-pin Male

Part No.	Description	1	10	25
222615CG	3' cable black	\$4.99	\$4.45	\$3.95
175847CG	6' cable black	5.59	5.05	4.55
222201CG	10' cable black	6.99	6.25	5.65
222210CG	15' cable black	8.59	7.75	6.95

USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kpbs data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters



Part No.	Description	1	10
387954CG	USB-A to DB9	\$17.95	\$16.15

USB to Serial Adapter with Prolific Chipset

This USB serial adapter provides an external Plug-and-Play RS-232 port for computers, notebooks, laptops, and handheld computing devices. Provides high-quality serial connections at transfer rates of more than 500kbps.



- Frees existing RS-232 ports for other uses
- Supports RS-232 serial interface, automatic handshake mode, remote wake-up & power management
- Provides a 96-byte buffer for each upstream and downstream data transfer
- Weight: 1.5 lbs.
- Full compliance with USB specification v.1.1
- 7" cable with DB25 male connector and 14" cable with USB-A connector
- Size: 2.7"L x 1.6"W x 0.7"H

System requirements: Windows®98/2000, USB host controlled installed in the system

Includes: 3.5" software and manual

Part No.	Description	1	5
213006CG	USB-A to serial converter	\$29.95	\$27.95

Flexible USB Cable and Adapter

FlexUSB™ is a compact, lightweight accessory that bends, rotates, and flexes to your desired angle. It provides a means to position USB devices, allowing you to use it with any computer, even in the most cramped environment. Its unique ratcheting design makes it possible to position your USB devices that are compatible with both Windows® and MAC platforms.



262158CG

262078CG

Part No.	Description	1	5
262078CG	Flexible USB adapter A-M-F	\$10.95	\$9.85
262158CG	Flexible USB cable with A-M to B-M connectors	11.95	10.85

Flexible USB cables and adapters make plugging in cables an ease, especially in tight spots!

USB Gender Adapters

Part No.	Description	Dimensions	1	10	25
321251CG	USB-A male to USB-A male	1.9"L x 0.6"W	\$2.79	\$2.65	\$2.39
169383CG	USB-A male to USB-B female	1.3"L x 0.4"W	2.69	2.49	2.25
169375CG	USB-A female to USB-B male	1.7"L x 0.6"W	2.69	2.49	2.25
316806CG	USB-A female to USB-A female	1.5"L x 0.7"W	2.69	2.49	2.25
321699CG	USB-B male to USB-B male	2.0"L x 0.4"W	2.79	2.65	2.49
316822CG	USB-B female to USB-B female	1.4"L x 0.7"W	2.69	2.49	2.25



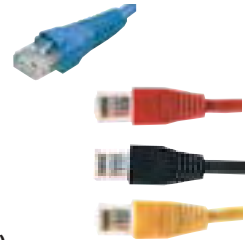
316806CG



316822CG

Category 5e/5 Network Cables

- UTP
- 8P8C
- 4 pair
- 24 AWG
- (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance



Category 5e (350MHz)

Part No.	Length	Color	1	10	100
168292CG	3 ft.	Gray	\$1.79	\$1.49	\$1.39
168305CG	7 ft.	Gray	2.99	2.59	2.39
168313CG	15 ft.	Gray	5.29	4.39	3.99
168321CG	25 ft.	Gray	7.99	6.79	6.39
201777CG	3 ft.	Red	1.79	1.49	1.39
201785CG	7 ft.	Red	2.99	2.59	2.39
201793CG	15 ft.	Red	6.95	5.95	4.45
201806CG	25 ft.	Red	7.99	6.79	6.39
201697CG	3 ft.	Black	1.79	1.49	1.39
201700CG	7 ft.	Black	2.99	2.59	2.39
201718CG	15 ft.	Black	5.29	4.39	3.99
201726CG	25 ft.	Black	7.99	6.79	6.39
201734CG	3 ft.	Blue	1.79	1.49	1.39
201742CG	7 ft.	Blue	2.99	2.59	2.39
201751CG	15 ft.	Blue	5.29	4.39	3.99
201769CG	25 ft.	Blue	7.99	6.79	6.39
201814CG	3 ft.	Yellow	1.79	1.49	1.39
201822CG	7 ft.	Yellow	2.99	2.59	2.39
201831CG	15 ft.	Yellow	5.29	4.39	3.39
201849CG	25 ft.	Yellow	7.99	6.79	6.39

Category 5 (100MHz)

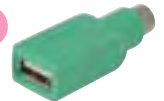
Part No.	Length	Color	1	10	100
281261CG	7 ft.	Gray	\$2.49	\$2.39	\$2.25
203051CG	10 ft.	Blue	2.75	2.48	2.23
277659CG	12 ft.	Black	2.99	2.69	2.45
277667CG	12 ft.	Yellow	2.99	2.69	2.45

Blue Part No. = Limited Quantity Available

USB Keyboard Adapter

USB to PS/2

- USB-A female to 6-pin mini DIN female (PS/2)



Part No.	Description	1	10	25
316832CG	USB-A to PS/2	\$1.79	\$1.59	\$1.39

We're Listening to Your Requests



Email us 24/7 at

NewProducts@Jameco.com

with suggestions for products you'd like to see in future catalogs.

Category 6 Network Cables



- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8

Category 6

Part No.	Length	Color	1	10	50
219707CG	3 ft.	Gray	\$2.79	\$2.69	\$2.56
219715CG	7 ft.	Gray	3.99	3.87	3.68
219723CG	14 ft.	Gray	6.59	6.37	6.05
219731CG	25 ft.	Gray	9.39	8.92	8.47
219740CG	50 ft.	Gray	14.29	13.58	12.90
219854CG	3 ft.	Blue	2.79	2.69	2.56
219862CG	7 ft.	Blue	3.99	3.87	3.68
219871CG	14 ft.	Blue	6.59	6.37	6.05
219889CG	25 ft.	Blue	9.39	8.92	8.47
219897CG	50 ft.	Blue	14.29	13.58	12.90
220003CG	3 ft.	White	2.79	2.69	2.56
220011CG	7 ft.	White	3.99	3.87	3.68
220020CG	14 ft.	White	6.59	6.37	6.05
220038CG	25 ft.	White	9.39	8.92	8.47
220046CG	50 ft.	White	14.29	13.58	12.90
219900CG	3 ft.	Red	2.79	2.69	2.56
219918CG	7 ft.	Red	3.99	3.87	3.68
219926CG	14 ft.	Red	6.59	6.37	6.05
219934CG	25 ft.	Red	9.39	8.92	8.47
219942CG	50 ft.	Red	14.29	13.58	12.90
219803CG	3 ft.	Green	2.79	2.69	2.56
219811CG	7 ft.	Green	3.99	3.87	3.68
219820CG	14 ft.	Green	6.59	6.37	6.05
219838CG	25 ft.	Green	9.39	8.92	8.47
219846CG	50 ft.	Green	14.29	13.58	12.90
219758CG	3 ft.	Black	2.79	2.69	2.56
219766CG	7 ft.	Black	3.99	3.87	3.68
219774CG	14 ft.	Black	6.59	6.37	6.05
219782CG	25 ft.	Black	9.39	8.92	8.47
219791CG	50 ft.	Black	14.29	13.58	12.90
219951CG	3 ft.	Yellow	2.79	2.69	2.56
219969CG	7 ft.	Yellow	3.99	3.87	3.68
219977CG	14 ft.	Yellow	6.59	6.37	6.05
219985CG	25 ft.	Yellow	9.39	8.92	8.47
219993CG	50 ft.	Yellow	14.29	13.58	12.90

CAT 5e/6 Crossover Cables

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP





CAT 6

679762CG	3' cable RJ45	\$7.95	\$7.15	\$6.29
681096CG	7' cable RJ45	9.95	8.95	7.69

CAT 5e

Part No.	Description	1	10	100
681109CG	3' cable RJ45	\$2.95	\$2.65	\$2.39
681117CG	7' cable RJ45	4.75	4.45	3.75
302041CG	6' cable RJ45	3.75	3.39	3.05
685812CG	7' cable RJ45 (yellow)	4.75	4.45	3.75
169261CG	10' cable RJ45	6.95	6.25	5.59

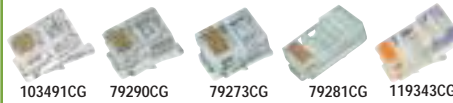
♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

JAMECO ValuePro

Modular Plugs



P = No. of positions
 C = No. of contacts
 W/E = Western Electric type number

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Description	W/E	1	10	100	1000
103491CG	4P4C (handset)	616	*	\$.11	\$.099	\$.089
79290CG	6P4C (RJ11)	623	*	.12	.11	.095
79273CG	6P6C (RJ11)	623	.24	.22	.195	.18
79281CG	8P8C (RJ45) (for stranded wire)	641	.35	.28	.24	.20
119343CG	8P8C (RJ45) unshielded (for solid wire)	—	.49	.44	.35	.28
116610CG	8P8C (RJ45) shielded	—	1.09	.99	.89	.79
204231CG	8P8C (RJ45) shielded (for STP stranded wire)	—	1.41	1.36	1.09	.81
116601CG	8P8C (RJ45) shielded (for solid wire)	—	.99	.89	.80	.72
180646CG	10P10C (for stranded wire)	—	1.39	1.15	.82	.69


JAMECO ValuePro

Modular Jacks



P = No. of positions
 C = No. of contacts
 W/E = Western Electric type number

Part No.	Description	W/E	1	10	100
199620CG	4P4C (handset) 0.48"W	—	\$.36	\$.33	\$.247
115128CG	4P4C (handset) 0.395"W	—	.37	.34	.31
151765CG	6P4C (RJ11) side flange	AMP	.45	.43	.39
105945CG	6P4C (RJ11) top flange	623	.62	.56	.42
204206CG	6P4C (RJ11) lead wires	—	.94	.85	.64
115836CG	6P6C (RJ11) side flange	—	.74	.67	.59
204177CG	6P6C (RJ11) dual	—	1.49	1.35	1.19
124038CG	6P6C (RJ11) 6" leads	—	1.25	1.15	.99
115844CG	8P8C (RJ45)	641	.48	.44	.40
204214CG	8P8C (RJ45) 0.81"L	—	1.22	1.11	.84
203449CG	8P8C (RJ45) shielded Pin spacing "A" = 0.055"	—	1.19	.99	.85

- Voltage rating: 150VAC max.
- Contact current rating: 1.5A max. @ 25°C
- Durability: 750 mating cycles
- PC mount  Blue Part No. = Limited Quantity
- * W/E = Western Electric type number

AMP

In-Line Coupler, Modular Jacks and Plugs

In-Line Coupler

- Housing: black polyphenylene oxide
- Panel mount thickness: 0.062" nominal
- Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel



Part No.	Product No.	Position	1	25	50
524445CG	555052-1	8P8C	\$3.45	\$2.99	\$2.77

Single Port Modular Jacks

- Meets or exceeds FCC part 68 rules and regulations
- Current rating: 1.5A max. @ 25°C (derated)
- Voltage rating: 150VAC max.
- Dielectric withstanding voltage: 1000VACrms
- Contact: 0.014" thick phosphor bronze with 50µ" gold in contact area and 150µ" tin-lead on solder tails over nickel



Part No.	Product No.	Position	1	25	50
524453CG	555153-1	8P8C side entry, shielded low profile, face shield	\$1.33	\$1.26	\$1.20
524488CG	555416-1	8P8C top entry, unshielded	.39	.369	.352
524461CG	555164-1	8P8C side entry unshielded 12.6mm H	.55	.522	.497
524509CG	557969-1	8P8C shielded, top entry	.95	.91	.83
524517CG	558342-1	8P8C right angle shielded	1.75	1.52	1.45

Unshielded Modular Plugs

- Once piece construction with pre-loaded contacts
- Housing: polycarbonate UL94V-0 rated
- Terminals: 0.014" thick phosphor bronze underplated with 100µ" nickel, plated with 50µ" gold in contact region and gold flash on terminal
- Dielectric withstanding voltage: 1000VAC
- Meets FCC rules and regulations part 68 and TIA/EIA 568A
- Current rating: 15A @ 150VAC
- Insulation resistance: 5000MΩ



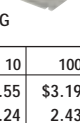
Part No.	Product No.	Position	1	25	50
524496CG	5-557315-3	8P8C for round solid cables	\$.50	\$.438	\$.395
524402CG	5-554169-2	8P8C for round stranded cables	.46	.423	.391
524411CG	5-554720-3	8P8C for flat oval solid cables	.50	.475	.428
524429CG	5-554739-3	8P8C for flat oval stranded cables	.46	.423	.399
524541CG	5-569278-3	8P8C for stranded cable, with load bar	.73	.71	.64
524525CG	5-558530-3	8P8C for stranded cable with load bar	.68	.66	.60
524533CG	5-558530-4	8P8C for solid cable with load bar	.69	.66	.60
524550CG	5-569532-3	8P8C for stranded cable, long body	1.65	1.49	1.35

Keystone-Type Wall Plates

• Size: 2.8"W x 4.5"H

Quantity SAVE

Part No.	No. of ports	Color	1	10	100
195549CG	1	Ivory	\$1.25	\$1.15	\$0.86
195557CG	2	Ivory	1.25	1.15	.99
195565CG	3	Ivory	1.25	1.05	.79
195573CG	4	Ivory	1.25	1.05	.79
212978CG	1	White	1.25	1.15	.99
212994CG	2	White	1.25	1.15	.86
212986CG	3	White	1.25	1.15	.99
212960CG	4	White	1.25	1.15	.86
213508CG	Filler	White	.29	.25	.187



Keystone RJ-45 & RJ-11 Jacks

Modular Punchdown Type

- Removable jacks used in wall plates (shown above)
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D
- RJ45: 8P8C RJ11: 6P6C

212943CG

213516CG

Part No.	Color	1	10	100
195590CG	Red	\$3.75	\$3.55	\$3.19
195602CG	Yellow	3.55	3.24	2.43
195611CG	Green	2.05	1.28	1.15
195629CG	Black	3.75	3.55	3.19
195637CG	Ivory	3.55	3.24	2.43
212951CG	Blue	3.75	3.55	3.19
212943CG	White	3.75	3.55	3.19

RJ11

Part No.	Color	1	10	100
213524CG	Black	\$3.75	\$3.55	\$2.66
213516CG	White	3.75	3.55	3.19

Keystone BNC/F-Type Jacks

- Removable jacks used in wall plates (shown above)
- Clip on for easy installation on wall plates

195645CG

Part No.	Description	Color	1	10	100
195645CG	F-Type F to F	Ivory	\$.99	\$.90	\$.82
224637CG	BNC F to F	White	1.55	1.41	1.28

Blue Part No. = Limited Quantity Available

Network Connectors



CAT5e Coupler

Part No.	Fig.	Prod. No.	Description	1	10	100
615048CG	1	45-5439	RJ45 female	\$5.39	\$5.05	\$4.79

Quick LoQ Jack

Part No.	Fig.	Prod. No.	Description	1	10	100
615056CG	2	45-5529	CAT6 white	\$4.15	\$3.89	\$3.49
615064CG	2	45-5537	CAT3/4 ivory	4.15	3.89	2.97
615072CG	—	45-5533	CAT5 red	4.69	4.55	4.49

90°, 110 Punchdown Style

Part No.	Fig.	Prod. No.	Description	1	10	100
615081CG	3	45-5561	CAT5e, orange	\$4.15	\$3.89	\$2.97
615099CG	3	45-5569	CAT5e, white	4.05	3.72	3.57

180° IDC Toolless Design

Part No.	Fig.	Prod. No.	Description	1	10	100
615101CG	4	45-5576	CAT5e, yellow	\$3.15	\$2.95	\$2.79
615144CG	4	45-5837	CAT5e, ivory	2.59	2.45	2.29

Single Modular Jack Boxes

Part No.	Fig.	Prod. No.	Description	1	10	100
615110CG	5	45-5812	CAT5e, white	\$6.85	\$6.26	\$6.01
615128CG	5	45-5614	CAT5e, ivory	7.09	6.48	6.23

Modular Couplers and Adapters



Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"



Fig. 2
W: 1.1"
H: 0.8"

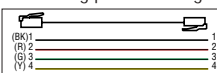


Fig. 3
W: 1.7"
H: 1.0"
D: 0.9"

Style 1 Reverse wiring for telephone systems



Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
72207CG	6P4C male "T" adapter, Style 2. Provides 2 jacks from 1 line. Male modular plug (6P4C), 2 female modular receptacles (6P4C) RJ11	2	\$.99	\$.89	\$.80
71757CG	6P6C modular coupler, Style 1, RJ11	1	.95	.86	.79
135087CG	6P6C modular coupler, Style 2, RJ11	1	.99	.89	.79
181091CG	6P6C male "T" adapter, Style 2. Provides 2 jacks from 1 line. Male modular plug (6P6C), 2 female modular receptacles (6P6C) RJ11	2	.99	.89	.78
118501CG	8P8C modular coupler, Style 1, RJ45	1	1.85	1.75	1.55
135079CG	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023CG	8P8C modular coupler, Style 2 (for Cat. 5) RJ45	3	7.99	7.19	6.49

Modular Jack Boxes & Wall Plates



Fig. 1 W: 2.8" H: 4.5" Fig. 2 W: 2.8" H: 4.5" Fig. 3 W: 2.8" H: 4.7" Fig. 4 W: 2.0" H: 2.2" D: 0.9" Fig. 5 W: 1.5" H: 2.4" D: 1.1" Fig. 6 W: 2.4" H: 2.4" D: 1.1"

Part No.	Description	Fig.	1	10	100
72311CG	6P6C & 8P8C double wall jack plate w/ jacks (beige)	1	\$1.95	\$1.75	\$1.31
319839CG	8P8C triple wall jack plate w/ jacks (white) (CAT 6)	2	11.19	10.65	7.99
319821CG	8P8C quad wall jack plate w/ jacks (white) (CAT 5e)	3	11.75	11.15	8.36
103464CG	6P4C adhesive jack RJ11 (beige)	4	1.39	1.19	1.09
71984CG	6P6C adhesive jack RJ11 (beige)	4	1.39	1.19	.99
71651CG	8P8C adhesive jack RJ45 (beige)	4	1.95	1.65	1.45
213031CG	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	5	3.29	2.99	2.69
213049CG	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	6	4.15	3.75	3.39

Banjo In-Line Modular Adapters

4/6/8 Pin 3-In-1

Adapter can be applied to any brand of butt sets, LAN cable testers, or tone generators.

Part No.	Prod. No.	Description	Price
673723CG	MT-8091	In-line modular adapters	\$24.39

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RS-232-to-RJ11/RJ45 Modular Jack Adapters



66181CG

Quantity SAVE

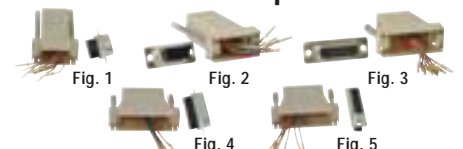
66237CG

Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
204265CG	DB9 M to RJ11 (6P4C)	\$1.95	\$1.66	\$1.24
66181CG	DB9 M to RJ11 (6P6C)	2.59	2.35	2.09
66190CG	DB9 M to RJ45 (8P8C)	2.89	2.65	2.35
114737CG	DB9 F to RJ11 (6P4C)	1.95	1.79	1.59
66202CG	DB9 F to RJ11 (6P6C)	2.79	2.55	2.29
66211CG	DB9 F to RJ45 (8P8C)	2.99	2.69	2.45
204281CG	DB25 M to RJ11 (6P4C)	2.39	2.15	1.61
66229CG	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237CG	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45
204273CG	DB25 F to RJ11 (6P4C)	1.95	1.75	1.31
66245CG	DB25 F to RJ11 (6P6C)	2.59	1.95	1.39
66253CG	DB25 F to RJ45 (8P8C)	2.89	2.59	2.29

Telco Adapters



Part No.	Fig.	Prod. No.	Description	1	10	100
614969CG	1	45-5109	6C RJ12 to DB9 M	\$2.45	\$2.31	\$2.21
614977CG	1	45-5110	8C RJ45 to DB9 M	2.45	2.31	2.21
614985CG	2	45-5111	4C RJ11 to DB9 F	2.45	2.31	2.21
614993CG	2	45-5112	6C RJ12 to DB9 F	2.45	2.31	2.21
615005CG	2	45-5113	8C RJ45 to DB9 F	2.45	2.31	2.21
615013CG	3	45-5117	8C RJ45 to DB15 F	3.39	2.73	2.61
615021CG	4	45-5123	8C RJ45 to DB25 M	2.89	2.73	2.61
615030CG	5	45-5127	8C RJ45 to DB25 F	2.85	2.27	2.17

"EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping.

No wire bar and no wasted cable.

- For solid or stranded wire
- 8P8C plug
- Use standard modular crimping tool

Part No.	Product No.	1	10	100	250
158115CG	RJ45 (8P8C)	\$1.75	\$1.58	\$1.42	\$1.25

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. And when you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.



Part No.	Description	Price
233349CG	RJ11 retractable cable	\$2.95

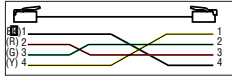
Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

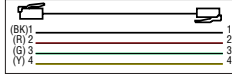


Low Cost Data/Phone Cables

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
189940CG	1	RJ11-6P2C	7ft.	\$.99	\$.84	\$.63
196226CG	1	RJ11-6P4C	7ft.	1.69	1.39	1.07
115553CG	2	RJ11-6P4C	7ft.	1.25	1.09	.89
355645CG	2	RJ11-6P4C	14ft.	2.19	1.59	1.38
115545CG	1	RJ11-6P4C	25ft.	2.29	2.09	1.85
201232CG	2	RJ11-6P4C	35ft.	1.95	1.66	1.24
115588CG	1	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617CG	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
355653CG	2	RJ11-6P6C	14ft.	2.75	1.99	1.73
115676CG	2	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige Blue Part No. = Limited Quantity Available

Surface Mount Boxes

Category 5 and 5e

- RJ45 • 8P8C • 100MHz
- Size: 2.6"L x 3.2"W x 1.2"H
- CAT 5e (except P/N 176073CG)

213014CG

Part No.	Description	1	10	100
176073CG	Single jack (beige)	\$5.75	\$5.25	\$4.95
213014CG	Dual jack (white)	7.19	6.53	5.93

RJ45-Plug Color Caps (Boots)		Quantity SAVE			
Part No.	Color	10	100	500	1000
204409CG	Black	\$.14	\$.13	\$.12	\$.09
204388CG	Yellow	.18	.16	.14	.105
204353CG	Gray	.14	.13	.12	.09
204361CG	Blue	.18	.16	.14	.105
204425CG	Red	.14	.12	.11	.083
204396CG	Green	.14	.12	.098	.073
204370CG	Ivory	.14	.12	.098	.073

Retractable Cord

- Length: 24', 12"
- 4 conductors
- 18 AWG (42 x 34)
- Bare copper, rubber insulated, cabled with fillers
- Black neoprene jacket
- Voltage Rating: 300V
- UL listed and CSA certified



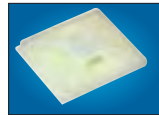
Part No.	Product No.	1	10	100
481895CG	9482	\$25.75	\$24.51	\$23.27

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

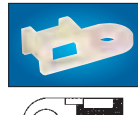
Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Sold in increments of 10, 100 or 1000

- Material: UL approved nylon 66, 94V-2
- ♣ Blue Part No. = Limited Quantity Available



182941CG/171213CG
 71407CG/71394CG
 71386CG



70594CG



182300CG/173761CG



182318CG/182376CG



182334CG/182342CG



173711CG/173729CG
 173737CG/134754CG
 173753CG

Part No.	Cross Ref. No.	Description	10	100	1000
182941CG	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	\$.07	\$.055	\$.052
171213CG	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.15	.13	.094
71407CG	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.18	.16	.13
71394CG	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386CG	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.25	.19	.13
70594CG	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.15	.09	.05
182300CG	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.15	.14
173761CG	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.15	.125	.075
182318CG	0519ATC-17	2-way adjustable tie mount, #6 flat head screw, 0.7"D	.37	.35	.321
182376CG	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	.29	.261	.222
182334CG	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.17	.15	.113
182342CG	0520FC-2	Cable tie mount, self adhesive, 0.2"D	.15	.135	.122
173711CG	UC0	Cable clamp for 1/8" cable	.08	.027	.02
173729CG	UC0.5	Cable clamp for 3/16" cable	.035	.032	.019
173737CG	UC1	Cable clamp for 1/4" cable	.14	.09	.063
134754CG	B0375	Cable clamp for 3/8" cable	.08	.029	.018
173753CG	UC3	Cable clamp for 1/2" cable	.099	.041	.031

Cable Ties



Pan Ty Cable Ties

- Miniature to standard cross sections feature a curved tip for easy threading and handling
- Lowest threading force of any one piece cable tie in the industry
- Natural nylon

Barb Ty Cable Ties

- Weather resistant nylon has greater resistance to ultraviolet light which damages natural nylon
- Stainless steel locking barb provides infinite adjustability over its entire length
- Black nylon

Cable Tie Mounts

- Unique cradle design provides maximum stability for cable bundle
- Nylon
- Low profile design keeps bundle close to mounting surface where overhead space is limited

Cable Tie Label

- Dot matrix
- White Tedlar®
- Designed to identify all sizes of wires and cables quickly and economically
- Overlaminates protects legend for clear, permanent identification

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Panduit Cable Ties Offering at
www.jameco.com/Prod/PanduitTies

Nylon Cable ID Ties and Tabs



71061CG: Clear ID tab (0.98" x 0.31")
 135175CG: Nylon cable tie ID marker

- Sold in increments of 10, 100 or 1000

Part No.	Size	10	100	1000
71061CG	4.0"L x 0.1"W	\$.085	\$.08	\$.072
135175CG	2.0"L x 0.8"W x .02"T	.22	.11	.08

Round-Type Strain Relief Bushings

- Material: UL approved nylon 66, 94V-2
- Color: black
- Used extensively for protecting cords and to prolong cord life



- Sold in increments of 10, 100 or 1000

Part No.	Cable Type	Lgth (in.)	10	100	1000
182351CG	SVI/SVT	.43	\$.05	\$.043	\$.032
182369CG	SJ/SJT; 16 AWG	.58	.18	.10	.085
182377CG	SJC; 18 AWG	.58	.24	.22	.20

Bushing Assembly Tool

- For use with strain relief bushings, above



Part No.	Description	1	10	100
73470CG	Bushing tool	\$40.69	\$38.44	\$30.46

For more tools see pages 306 - 313.

Call for OEM pricing

Nylon Cable Ties

Standard



70560CG

- Cable ties made from UL approved Nylon 66
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182676CG white)
- Sold in increments of 100 or 1000**

Blue Part No. = Limited Quantity Available

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70560CG	18	3.1 x 0.10	.025	.015
126543CG	18	4.0 x 0.10	.020	.014
182676CG	18	4.75 x 0.13	.030	.025
182650CG	18	5.5 x 0.13	.035	.025
139150CG	18	8.0 x 0.10	.060	.040
182668CG	18	8.0 x 0.13	.075	.050
182684CG	18	8.0 x 0.18	.036	.033
70906CG	40	5.8 x 0.10	.035	.029
190756CG	40	10.0 x 0.14	.120	.086
190772CG	40	11.0 x 0.19	.100	.075
190764CG	40	13.0 x 0.14	.100	.075

* White

Weather Resistant



104141CG

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Color: black
- Sold in increments of 100 or 1000**

UV Resistant

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125CG	18	3.0 x 0.90	.045	.034
104141CG	18	4.0 x 0.10	.044	.029
104133CG	40	5.8 x 0.10	.047	.031
190781CG	40	8.0 x 0.13	.085	.065
190800CG	40	10.0 x 0.14	.100	.090
190802CG	40	13.0 x 0.14	.113	.088

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701CG: 1000 pcs. (4"L); 10 colors

150412CG: 500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors



Part No.	Wt. (lbs.)	1	10	50
145701CG	0.7	\$9.49	\$8.49	\$7.39
150412CG	1.7	16.49	15.25	14.15

Contractor Grade Cable Ties

Chances are we have a cable tie for your application! Avery Dennison™ cable ties are available in a wide variety of sizes and in three different materials.

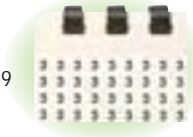


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See Our Avery Dennison Cable Ties Offering at www.Jameco.com/Prod/AveryTies

Self Adhesive Wire Marker

- 90 markers per number
- Stick to wires for permanent identification
- Cloth tape label numbered 0-9
- Used after or before terminal



Part No.	Cross Ref. No.	1	10
182262CG	0215WMB-1	\$7.09	\$6.45

3M Tape Wire Marker

- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W



Part No.	Description	1	10
159231CG	Numerical tape dispenser	\$32.95	\$28.90

3M ScotchCode™ STD-C Wire Marker Tape Dispenser

The 3M™ ScotchCode™ tape dispenser is a compact, carry-along dispenser with ten refillable compartments that hold eight-foot rolls of non-smear polyester tape. Used for marking binder groups, wire or cable, the tapes' high tack, acrylic adhesive resists solvents, oil and water, and adheres firmly to insulation surfaces. An end-loop hooks the dispenser easily to a tool pouch or belt.



Part No.	Description	1	5
652164CG	Marker tape dispenser	\$33.69	\$32.85

Cable Markers

- UL approved natural nylon
- 10 piece minimum



Part No.	Size	10	100	1000
182705CG	1.5"L x .75"W	\$0.10	\$0.09	\$0.08
182713CG	2.5"L x 1.76"W	.25	.23	.173

Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action • Metal



Part No.	Cross Ref. No.	1	5	10
182297CG	0302TG-7	\$16.99	\$15.99	\$14.99

Wire Management Enclosure

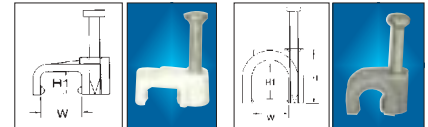
The "NO MORE MESS" wire management solution for workstations, home office, and entertainment systems. Wall mountable, this enclosure prevents wire tangles and clutter, protects wires and connections from accidents, and neatly conceals wires of varying thickness. Made of durable, high impact molded resin. An innovative design that optimizes wire storage capacity.



- Size: 14.1"H x 8.0"W x 2.1"D • Color: black

Part No.	Description	1	10
355872CG	Wire management enclosure	\$17.99	\$17.57

Nail-In Cable Clips



190828CG

190861CG

- Material: impact resistant PE
- With nails inserted
- Sold in increments of 100 or 1000**

Blue Part No. = Limited Quantity Available

SALE

For telephone cords; white

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190828CG	NF1.2	.24 x .21 x .15	.006	.005
190836CG	NF1.6	.31 x .31 x .20	.006	.005

For general round cables; gray

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190861CG	NCO.35N	.14 x .23 x .15	.022	.02
190887CG	NC1N	.24 x .35 x .26	.05	.02
190895CG	NC2N	.31 x .45 x .34	.015	.014
190908CG	NC3N	.39 x .53 x .41	.016	.015

Cable Clips

These nail-in cable clips are designed for use with RG-6 cables.

- For RG-6 type cables
- Includes 1" nail
- Prepackaged and sold in increments of 100



Lower\$\$\$

Part No.	Description	100	1000
295603CG	Single RG-6 cable clip, white	.034	.028
295591CG	Single RG-6 cable clip, black	.032	.027
295611CG	Dual RG-6 cable clip, white	.035	.029
295620CG	Dual RG-6 cable clip, black	.037	.03

3M Adhesive Cord Clips

Organize cords behind computers, appliances and entertainment centers. They remove cleanly and may be reused with a new Command™ adhesive strip. Holds wires up to 3/8 inch in diameter. 4 medium clips and 5 small adhesive strips per pack.



Part No.	Description	1	10
645861CG	Adhesive cord clips	\$3.89	\$3.44

3M Small Cord Clips

3M™ Cord Clips with Command™ Adhesive help organize all of those unsightly cords that run from the back of computers, appliances and home entertainment centers. They mount easily to any clean wall or finished wood surface and can be moved just as easily with replacement adhesive strips. 4 clips and 5 small adhesive strips per pack.





Part No.	Description	1	10
645853CG	Adhesive cord clips	\$3.49	\$3.12

3M Heat Shrink Tubing Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation.



- 285481CG:** Black 102 pieces
- Assorted pre-shrink sizes: 3/16" (30 pieces); 1/4" (28 pieces); 3/8" (20 pieces); 1/2" (14 pieces); 3/4" (6 pieces); 1" (4 pieces) • Pre-cut to 6" lengths
- 645976CG:** Assorted Colors 133 pieces
- 7 colors: black, red, white, yellow, blue, green and clear
 - Assorted pre-shrink sizes: 3/32" (35 pieces); 1/8" (28 pieces); 3/16" (21 pieces); 1/4" (21 pieces); 3/8" (14 pieces); 1/2" (14 pieces) • Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481CG	Black 102-pc. kit 	\$56.95	\$53.70	\$50.99
645976CG	Colors 133-pc. kit 	\$56.95	\$53.70	\$50.99

Heat Shrink Tubing

- 2:1 uniform shrink ratio
 - Color: black
- ### Polyolefin Tubing
- Shrink temp: 90°C
 - Only sold in 10' & 100' lengths





Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834CG	0.12" (3)	10	\$1.19	\$1.13
644851CG	0.12" (3)	100	10.49	9.99
644869CG	0.16" (4)	10	1.39	1.29
644877CG	0.16" (4)	100	12.49	11.85
644906CG	0.20" (5)	10	1.55	1.47
644914CG	0.20" (5)	100	14.99	14.25
644931CG	0.24" (6)	10	1.69	1.64
644949CG	0.24" (6)	100	16.49	15.67
644957CG	0.31" (8)	10	1.89	1.79
644965CG	0.31" (8)	100	17.99	17.49
644973CG	0.43" (11)	10	2.79	2.69
644981CG	0.43" (11)	100	24.99	23.75
644990CG	0.59" (15)	10	3.69	3.49
645001CG	0.59" (15)	100	35.99	34.19

PVC Flat Film

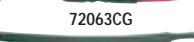
- Shrink temperature: 175°C
- Temperature range: -45°C to +125°C
- * Precut 39" length; sold as 1 increment









Part No.	Flat	Unshrunk	Shrunk	1*	10*	100*
70631CG	5/16" 	1/4"	1/8"	\$1.69	\$1.55	\$1.16
70623CG	1/2" 	5/16"	3/16"	1.69	1.44	1.08



Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Flame retardant
- Shrink temp.: 90°C • Temp. range: -45°C to +125°C
- * Precut 39" length (1 meter); sold as 1 increment



Part No.	Before Dia. (mm)	1*	10*	100*
71327CG	.059" (1.5) 	\$55	\$46	\$41
71871CG	.079" (2.0) 	.55	.45	.39
71280CG	.098" (2.5) 	.69	.59	.54
72063CG	.197" (5.0) 	.89	.76	.57
216477CG	.275" (7.0) 	.99	.89	.79
226245CG	.375" (9.5) 	1.09	.98	.88

* This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave













FIT-221B Series





Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 550V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm

Black (4 ft.)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419101CG	FIT221B-3/64 	.046/.023	\$.61	\$.55	\$.53
419127CG	FIT221B-1/16 	.063/.031	.62	.56	.55
419143CG	FIT221B-3/32 	.093/.046	.66	.59	.58
419160CG	FIT221B-1/8 	.125/.062	.71	.64	.63
419186CG	FIT221B-3/16 	.187/.093	.86	.77	.76
419207CG	FIT221B-1/4 	.250/.125	1.09	.97	.96
419223CG	FIT221B-3/8 	.375/.187	1.21	1.08	1.07
419240CG	FIT221B-1/2 	.500/.250	1.37	1.22	1.21
419266CG	FIT221B-3/4 	.750/.375	2.05	1.80	1.79
419282CG	FIT221B-1 	1.00/.500	3.05	2.74	2.73

Clear (4 ft.)











419119CG	FIT221B-3/64 	.046/.023	\$.71	\$.64	\$.63
419135CG	FIT221B-1/16 	.063/.031	.73	.68	.67
419151CG	FIT221B-3/32 	.093/.046	.80	.74	.68
419178CG	FIT221B-1/8 	.125/.062	.90	.81	.78
419194CG	FIT221B-3/16 	.187/.093	1.10	.98	.95
419215CG	FIT221B-1/4 	.250/.125	1.36	1.18	1.12
419231CG	FIT-221B-3/8 	.375/.187	1.55	1.37	1.32
419258CG	FIT221B-1/2 	.500/.250	1.75	1.55	1.40
419274CG	FIT-221B-3/4 	.750/.375	2.45	2.29	2.14
419291CG	FIT-221B-1 	1.00/.500	3.45	3.22	2.94

Polyolefin Heat Shrink Tubing



NEW

Black (6 in.)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419389CG	FIT221B-3/64 	.046/.023	\$11.95	\$11.36	\$10.54
419400CG	FIT221B-1/16 	.063/.031	11.95	11.36	10.54
419426CG	FIT-221B-3/32 	.093/.046	11.65	11.05	10.31
419442CG	FIT221B-1/8 	.125/.062	11.55	11.04	10.36
419469CG	FIT221B-3/16 	.187/.093	11.65	11.05	9.66
419485CG	FIT221B-1/4 	.250/.125	11.95	11.31	10.52
419506CG	FIT221B-3/8 	.375/.187	11.55	10.95	10.22
419522CG	FIT221B-1/2 	.500/.250	11.45	10.61	9.66
419549CG	FIT221B-3/4 	.750/.375	10.55	9.98	9.66
419565CG	FIT221B-1 	1.00/.500	12.29	11.66	10.54

Clear (6 in.)





419397CG	FIT221B-3/64 	.046/.023	\$12.35	\$11.72	\$10.54
419418CG	FIT221B-1/16 	.063/.031	11.95	11.35	10.54
419434CG	FIT221B-3/32 	.093/.046	11.55	10.95	10.22
419451CG	FIT221B-1/8 	.125/.062	12.75	12.08	10.54
419477CG	FIT221B-3/16 	.187/.093	11.55	10.95	9.66
419493CG	FIT221B-1/4 	.250/.125	12.35	11.72	10.54
419514CG	FIT221B-3/8 	.375/.187	11.55	10.95	10.22
419531CG	FIT221B-1/2 	.500/.250	11.45	10.61	9.66
419557CG	FIT221B-3/4 	.750/.375	11.95	11.35	9.66
419573CG	FIT221B-1 	1.00/.500	11.95	11.35	10.60



FLEXO® Clean-Cut Braided Sleeve

- Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Cut and abrasion resistant
- UV resistant
- Maintains properties across wide temperature range
- Color: black
- Length: 25 feet








Part No.	Product No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	10
690013CG	CCPO.75BK25 	5/8 - 1	0.750	0.798	\$13.09	\$12.45
690021CG	CCP1.00BK25 	3/4 - 1 3/16	1.000	1.048	14.49	13.99
690030CG	CCP1.25BK25 	1 - 1 1/2	1.250	1.298	17.09	16.49
690048CG	CCP1.5BK25 	1 1/4 - 2	1.500	1.548	21.15	20.39



FLEXO® PET Braided Sleeve

- Braided from 10 mil polyethylene terephthalate monofilament yarns
- UL recognized component
- High tensile strength
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- Conforms to FMVSS 302
- Color: black
- UV resistant
- Length: 25 feet



Part No.	Product No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	10
693679CG	PTN0.25BK25 	1/8 - 7/16	0.250	0.300	\$6.05	\$5.75
693687CG	PTN0.38BK25 	3/16 - 5/8	0.375	0.425	8.89	8.45
695383CG	PTN0.50BK25 	1/4 - 3/4	0.500	0.550	10.55	9.99
695391CG	PTN0.75BK25 	1/2 - 1 1/4	0.750	0.800	15.85	15.05
695412CG	PTN1.25BK25 	3/4 - 1 3/4	1.250	1.300	19.09	18.15



Cable Sleeve

Clean Cut Expandable Sleeveing

- Flame resistant
- Operating temp.: -70°C to 125°C
- Applications: protecting wires, cables and hoses
- Sold in spools of 25'

Part No.	Product No.	Actual/Expanded Dia.	1	10
162157CG	CCPT2X 	0.250"/0.440"	\$15.95	\$14.95
162165CG	CCPT3X 	0.500"/0.750"	17.95	14.49



JAMECO ValuePro

Audio/Video Cables and Adapters

Quantity SAVE

RCA Cables

Part No.	Description	1	10	25
228443CG	3' stereo RCA (2) male to (2) male plugs, gold plated	\$1.49	\$1.39	\$1.29
183311CG	4' RCA male to male plug (black)	.99	.89	.79
206973CG	4' RCA male to male plug (yellow)	.99	.89	.79
106374CG	6' RCA male to male plug	1.19	1.02	.94
228419CG	6' mono RCA male plug to female jack	1.65	1.45	1.25
228486CG	6' RCA stereo (2) male plugs to (2) female jacks	1.25	1.15	1.05
228451CG	6' RCA stereo (2) male to (2) male plugs, gold plated	1.79	1.69	1.59
228401CG	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
228427CG	10' RCA female jack to male plug	2.35	1.95	1.79
29348CG	10' RCA male to male plug (yellow)	1.69	1.55	1.35
228460CG	12' RCA stereo (2) male to (2) male plugs, gold plated	2.09	1.89	1.75
225980CG	12' RCA (3) male to (3) male plugs, gold plated	4.49	3.89	2.89
225998CG	20' RCA (3) male to (3) male plugs, gold plated	7.99	6.79	5.09
228435CG	25' mono RCA male to male plug, nickel plated	2.19	2.09	1.99
228478CG	25' RCA stereo (2) male to (2) male plugs, gold plated	2.39	2.29	2.19

Video/Audio Patch Cables

Part No.	Description	1	10	25
228216CG	3' stereo video patch cable, gold plated	\$1.19	\$1.13	\$1.07
228574CG	25' stereo video patch cable, gold plated	6.99	6.29	5.65
228582CG	50' stereo video patch cable, gold plated	12.59	11.35	10.19

JAMECO ValuePro

S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, and DVD players

228558CG/228566CG: 95% spiral wound shield S-VHS/audio conductors

Part No.	Description	1	10	25
228591CG	6' S-VHS video cable, gold plated	\$2.15	\$1.95	\$1.79
228558CG	6' S-VHS audio-video cable, gold plated	12.95	11.65	10.49
228566CG	12' S-VHS audio-video cable, gold plated	14.95	13.45	12.15
228603CG	12' S-VHS video cable, gold plated	2.65	2.35	2.10
228611CG	25' S-VHS video cable, gold plated	4.05	3.85	3.65
229809CG	S-video 4-pin mini DIN female to female jack	2.85	2.59	2.29
229391CG	S-video male plug to RCA video female jack	5.39	4.85	4.39
295881CG	S-video female jack to RCA video male plug	5.39	4.85	4.39
303351CG	S-video male plug to RCA video female jack	5.39	4.85	4.39

Other Manufacturers — Great Deals

682662CG	S-video M-M plug 6'	\$1.95	\$1.79	\$1.59
683075CG	S-video M-RCA female jack adapter	4.95	4.49	3.59

BNC To RCA Cable

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

Part No.	Description	1	10	50	100
683059CG	RG-59 BNC to RCA cable	\$3.95	\$3.49	\$2.95	\$2.19

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send your requests to NewProducts@Jameco.com.



3.5mm Audio Patch Cables

Part No.	Description	1	10	25
319206CG	27' 3.5mm mono male to male plug	\$1.09	\$.94	\$.89
326511CG	1' 3.5mm stereo male to male plug	1.75	1.35	1.01
664288CG	3' 3.5mm stereo male to male plug (black)	1.09	.99	.75
326529CG	6' 3.5mm stereo male to male plug (green/blue)	1.39	1.18	.89
228494CG	6' 3.5mm stereo male to male plug (black)	1.39	1.19	.99
228515CG	6' 3.5mm stereo male plug to female jack	1.49	1.35	1.25
228507CG	12' 3.5mm stereo male to male plug (black)	1.69	1.49	1.29
228523CG	12' 3.5mm stereo male plug to female jack	1.65	1.49	1.35

JAMECO ValuePro

3.5mm Female Jacks and Male Plugs



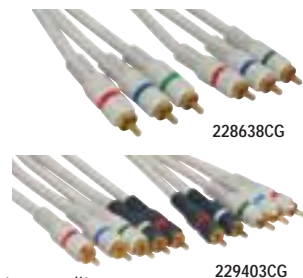
- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231159CG/231167CG: With spring strain relief Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Description	1	10	100	1000
109495CG	PJ035PM	Mono F jack, 3.5mm hole size	\$.45	\$.40	\$.36	\$.27
165729CG	PJ035A	Mono F jack, 3.5mm hole size	.69	.59	.49	.39
101151CG	PJ1035	Mono male plug, plastic	.49	.38	.35	.29
147344CG	PJ1035L	Mono male plug, plastic	.49	.38	.35	.29
231159CG	AP-336	Mono male plug, metal	1.25	1.19	1.09	.95
231175CG	AP-340	Stereo male plug, plastic	.55	.43	.36	.32
231167CG	AP-343	Stereo male plug, metal	1.79	1.60	1.45	1.30

Component Video and Audio Cables

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality



Part No.	Description	1	2	5
228620CG	6' component video RGB cable	\$9.99	\$8.99	\$7.96
228638CG	12' component video RGB cable	19.95	17.95	16.16
228646CG	25' component video RGB cable	25.95	23.36	21.02
229403CG	6' component video RGB and stereo audio cable	14.95	13.46	12.11
229411CG	12' component video RGB and stereo audio cable	25.95	23.36	21.02
229420CG	25' component video RGB and stereo audio cable	29.95	26.96	23.86

Audio Adapters and Cables



RCA Audio Adapters

Part No.	Description	1	10	25	100
228283CG	RCA female jack to mono 1/4" male plug	\$.99	\$.89	\$.69	\$.55
228312CG	RCA male plug to 1/4" mono female jack	1.25	1.10	.79	.69
228267CG	RCA female to female jack coupler, gold plated	.95	.79	.55	.45
159441CG	RCA female to female jack coupler, metal	1.15	.99	.87	.65
228339CG	RCA F jack to 3.5mm mono M plug, gold plate	.75	.68	.62	.56
228291CG	RCA F jack to 3.5mm mono M plug, nickel plated	.59	.54	.49	.45

RCA Y-Cables

 Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25	100
139037CG	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.25	\$1.99	\$1.79	\$1.61
682793CG	6' Y-cable 1/8" stereo M plug to (2) RCA mono M plugs	2.29	2.09	1.89	1.70
228371CG	6' Y-cable (2) RCA M plugs to RCA F jack, gold plated	.99	.89	.80	.72
228355CG	6' Y-cable RCA M plug to (2) RCA F jacks	1.29	1.15	1.06	.79
228380CG	6' Y-cable (2) RCA F jacks to 3.5mm stereo plug	1.95	1.76	1.59	1.19

3.5mm Audio Adapters

Part No.	Description	1	10	25	100
228275CG	3.5mm stereo female to female jack	\$.41	\$.37	\$.34	\$.32
309665CG	3.5mm stereo F jack to 3.5mm mono M plug	.95	.78	.61	.45
228304CG	3.5mm stereo M plug to (2) 1/4" stereo F jacks	.93	.84	.77	.70
228339CG	3.5mm mono M plug to RCA F jack, gold plated	.75	.68	.62	.56
228291CG	3.5mm mono M plug to RCA F jack, nickel plate	.59	.54	.49	.45

3.5mm Y-Cables

Part No.	Description	1	10	25	100
139037CG	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.25	\$1.99	\$1.79	\$1.61
228398CG	6' Y-cable (2) 3.5mm stereo female jacks to 3.5mm stereo male plugs	1.95	1.65	1.35	1.25
228380CG	6' Y-cable (2) RCA F jacks to 3.5mm stereo M plug	1.95	1.76	1.59	1.19

RG-6/RG-59 75Ω Coaxial Cables

Type	Length (ft.)	Part No. (Black)	Part No. (White)	1	5
RG-6	3	286977CG	287232CG	\$1.69	\$1.59
RG-59	3	85585CG	—	1.05	.95
RG-6	6	287101CG	287241CG	2.29	2.15
RG-6	12	287128CG	287259CG	3.69	3.49
RG-6	25	287152CG	287267CG	6.99	6.65
RG-6	50	287179CG	287275CG	13.49	12.75
RG-6	75	287208CG	287291CG	18.99	18.15
RG-59	75	355670CG	—	17.95	17.05
RG-6	75	297668CG	—	14.69	13.99
RG-6	100	287224CG	287304CG	24.99	23.75

For more products, see www.Jameco.com.

RCA Metal Plugs

- High-quality metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

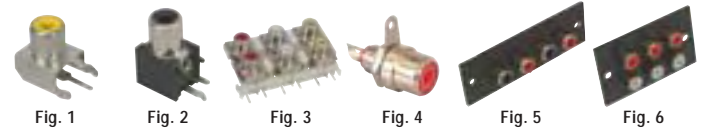
Part No.	Description	1	10	25	100
229876CG	Black	\$1.89	\$1.69	\$1.55	\$1.39
229868CG	Red	1.89	1.69	1.55	1.39
229884CG	White	1.89	1.61	1.37	1.03
230287CG	Yellow	1.89	1.69	1.55	1.39



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RCA Jacks



- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions (WxDxH)	1	10	100	1000
220581CG	1	PCB mount, white	.44" x .56" x .48"	\$.45	\$.31	\$.28	\$.22
220556CG	1	PCB mount, red	.44" x .56" x .48"	.45	.31	.28	.22
220572CG	1	PCB mount, black	.44" x .56" x .48"	.41	.277	.256	.192
220564CG	1	PCB mount, yellow	.44" x .56" x .48"	.41	.277	.256	.192
112476CG	1	PCB mount, red	.44" x .58" x .48"	.39	.35	.31	.19
169501CG	2	PCB mount, black	.40" x .85" x .50"	.39	.35	.32	.26
689881CG	3	PCB mnt., 1x3 grid, rd/wt/yw	1.7" x .61" x .62"	.99	.89	.79	.65
237016CG	3	PCB mnt., 2x3 grid, rd/wt/yw	2.0" x .45" x 1.10"	.89	.79	.69	.52
159484CG	4	Panel mount, black	.84"W x .38"H	.49	.39	.33	.24
172339CG	4	Panel mount, red	.84"W x .38"H	.49	.39	.31	.23
319231CG	5	Panel mnt., 1x2 grid, rd/wt	2.1" x .48" x .78"	.79	.69	.65	.62
319249CG	5	Panel mnt., 1x4 grid, rd/bk	2.9" x .48" x .98"	1.19	.99	.94	.89
319257CG	6	Panel mnt., 2x2 grid, rd/wt	2.0" x .48" x 1.38"	1.17	.98	.68	.51
319265CG	6	Panel mnt., 2x3 grid, rd/wt	2.3" x .48" x 1.41"	1.29	1.15	1.09	.82
319071CG	6	Panel mnt., 2x4 grid, rd/bk	3.0" x .49" x 1.40"	1.39	1.19	1.13	1.07

 Blue Part No. = Limited Quantity Available


RCA Plastic Plugs


- High-quality plastic RCA plugs

Plastic screw-on cover w/ integral cable protection

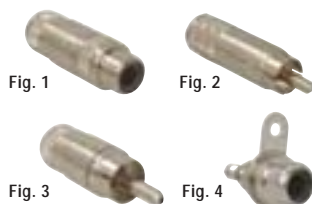
Part No.	Description	1	10	25	100
229921CG	Black (5 pk)	\$1.15	\$1.05	\$.91	\$.68
229930CG	Red (5 pk)	1.15	1.05	.91	.68
229913CG	White (5 pk)	1.19	1.09	.95	.89
229892CG	Yellow (5 pk)	1.19	1.09	.95	.89



 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.



Switchcraft

RCA Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281826CG	3503R	1	RCA phono audio jack, metal	43.2mm x 7.6mm ID	\$2.95	\$2.89	\$2.75	\$2.65
281818CG	3502AR	2	RCA phono audio plug, nickel	42.4mm x 7.3mm ID	1.85	1.66	1.54	1.40
281800CG	3502	3	RCA mono phono audio plug, metal	33.8mmL x 5.0mm ID	1.75	1.37	1.21	1.10
281797CG	3501FPR	4	RCA phono audio jack, metal	16.3mm x 6.0mm Dia.	1.29	1.00	.97	.93

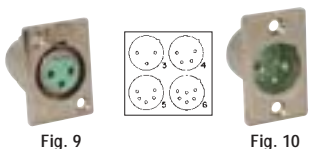


Switchcraft

Microphone (XLR) Connectors

Lower \$\$\$

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
277026CG	A3F	5	3-pin female, metal	82.5mm x 5.3mm Dia.	\$4.49	\$3.99	\$3.58	\$3.26
277034CG	A3FB	6	3-pin female, black	82.0mm x 5.3mm Dia.	5.19	3.99	3.65	3.33
281560CG	A3M	7	3-pin male, metal	70.3mm x 5.3mm Dia.	3.79	3.17	2.83	2.58
281578CG	A3MB	8	3-pin male, black	70.3mm x 6.1mm Dia.	4.59	3.53	3.24	2.95
297422CG	C3F	11	3-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	7.89	7.17	6.99	6.95
297431CG	C3M	12	3-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	5.65	4.28	3.97	3.92
281640CG	D3F	9	3-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.89	4.50	4.13	3.75
281658CG	D3M	10	3-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	4.35	3.33	3.06	2.78
281720CG	J3FS	13	3-pin female, wall plate	69.9mmW x 114.3mmH	25.65	23.09	20.78	15.58
281586CG	A4F	5	4-pin female, metal	82.0mm x 5.5mm Dia.	6.95	5.78	5.36	4.87
281594CG	A4M	7	4-pin male, metal	71.2mm x 4.8mm Dia.	4.59	4.08	3.68	3.32
297449CG	C4F	11	4-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	11.05	9.11	8.35	6.95
297457CG	C4M	12	4-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	5.99	5.46	5.16	4.18
281666CG	D4F	9	4-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	7.95	6.38	5.85	4.87
281674CG	D4M	10	4-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	4.95	3.96	3.63	3.31
281607CG	A5F	5	5-pin female, metal	82.0mm x 4.7mm Dia.	12.09	9.06	8.31	7.55
281615CG	A5M	7	5-pin male, metal	70.2mm x 5.3mm Dia.	8.95	7.55	6.92	6.30
281682CG	D5F	9	5-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	13.39	10.32	9.46	8.55
281691CG	D5M	10	5-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	9.25	6.22	5.84	5.46
281623CG	A6F	5	6-pin female, metal	80.2mm x 4.6mm Dia.	10.79	10.25	9.45	8.32
281631CG	A6M	7	6-pin male, metal	70.5mm x 4.5mm Dia.	9.55	8.78	8.15	7.51
281703CG	D6F	9	6-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	18.95	14.19	13.02	11.83
281711CG	D6M	10	6-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	12.35	11.80	9.49	7.12



Switchcraft

DIN Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
296948CG	61HA5F	14	5-pin DIN receptacle, panel mount	20mm x 17mm Dia.	\$3.29	\$2.99	\$2.98	\$2.97
296876CG	05BL5M	15	5-pin DIN plug, metal	59.2mm x 13.6mm Dia.	4.99	4.57	4.11	3.91
296884CG	05GM5M	16	5-pin DIN plug, gray plastic	63.3mm x 13.6mm Dia.	4.55	3.59	3.28	2.96

Microphone (XLR) Connectors

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Description	1	10
319011CG	250-710	3-pin male microphone, metal	\$2.35	\$2.17
319003CG	250-720	3-pin female microphone, metal	2.29	2.20
319046CG	250-700	3-pin male microphone, metal, panel mount	3.25	2.79
319038CG	250-705	3-pin female microphone, metal, panel mount	4.15	3.39

Professional Microphone (XLR) Cables and Adapters

A Jameco EXCLUSIVE

Quantity SAVE

Part No.	Cross Ref. No.	Description	1	10
305251CG	251-310	3-pin female to female gender changer	\$7.49	\$6.99
305200CG	251-320	3-pin male to male gender changer	7.49	6.99
305285CG	251-330	1/4" jack to 3-pin female XLR adapter	8.25	6.15
305277CG	251-340	1/4" jack to 3-pin male XLR adapter	7.05	5.29
305293CG	255-290	1/4" jack to 3-pin XLR female cable, 20'	10.39	7.79
307694CG	255-293	1/4" jack to 3-pin XLR female cable, 60'	19.59	14.69

Save Big! Special Values!

New Lower Prices = Orange
Exceptional Quantity Discounts = Green

Switchcraft®

Audio Plugs and Jacks

Lower \$\$\$

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281869CG	750R	1	3.5mm mono audio plug, plastic	14.0mm x 41.5mm x 5.7mm ID	\$2.79	\$2.48	\$2.27	\$2.20
281834CG	41R	2	3.5mm audio jack	7.8mm x 5.9mm	1.29	1.22	1.15	1.09
297019CG	125R	3	3.5mm mono jack, metal	31.75mm x 10.3mm Dia.	5.19	4.54	4.08	4.01
296930CG	42AR	11	3.5mm mono phono audio jack, metal	15.9mm x 12.7mm Dia.	\$1.75 1.59	1.44	1.36	1.22
297035CG	142AR	4	3.5mm mono jack, plastic	21.03mmL x 9.52mmW x 12.7mmH	3.19	2.93	2.74	2.55
297297CG	850R	5	2.5mm mono phono audio plug, plastic	25.8mm x 6.35mm Dia.	2.99	2.91	2.84	2.76
297625CG	TR2AR	6	2.5mm mono audio jack, metal	12.6mm x 8.2mm Dia.	2.75	2.45	2.29	2.11
281789CG	297R	7	1/4" stereo phone audio plug, metal	73.7mm x 7.6mm ID	4.59	3.82	3.19	2.91
281771CG	280R	8	1/4" mono phono audio plug, metal	73.7mm x 7.6mm ID	3.15	2.82	2.58	2.36
281762CG	267R	9	1/4" stereo phone audio plug, plastic	73.7mm x 7.6mm ID	4.79	3.68	3.37	2.98
281754CG	250R	10	1/4" mono phono audio plug, plastic	73.7mm x 7.6mm ID	2.55	2.39	2.13	1.94
281746CG	12BR	11	1/4" stereo phone audio jack	14.7mm x 9.1mm Dia.	1.49	1.39	1.32	1.24
281738CG	11R	12	1/4" mono phono audio jack	12.8mm x 9.1mm Dia.	1.39	1.29	1.19	1.15
296892CG	12AR	11	1/4" mono phono audio jack, metal	31.7mm x 9.4mm Dia.	1.79	1.43	1.33	1.26
296905CG	13BR	11	1/4" mono phono audio jack, metal	30.6mm x 9.4mm Dia.	4.69	4.24	4.01	3.20
296956CG	70R	8	1/4" mono phono audio plug, metal	84.8mm x 9.7mm ID	\$6.79 6.45	5.48	4.38	4.05
297001CG	121	13	1/4" mono phono audio jack, metal	63.5mm x 12.7mm Dia.	7.15	5.87	5.22	4.74
297043CG	151R	14	1/4" mono phono audio jack, metal	57.15mm x 15.87mm Dia.	6.55	6.45	6.39	6.30
297060CG	170R	15	1/4" mono phono audio jack, metal	69.4mm x 17.46mm Dia.	7.55	5.99	5.58	4.73
297107CG	226R	16	1/4" mono phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	3.89	3.70	3.23	2.93
296913CG	14BR	11	1/4" stereo phono audio jack, metal	31.6mm x 9.4mm Dia.	5.19	4.79	4.55	4.31
297051CG	152BR	14	1/4" stereo phono audio jack, metal	57.15mm x 15.87mm Dia.	5.75	5.11	5.02	4.89
297158CG	290R	17	1/4" stereo phono audio jack, metal	42.9mm x 12.7mm Dia.	6.19	4.78	4.38	4.11
297123CG	236R	16	1/4" stereo phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	4.89	4.83	4.43	4.11
297140CG	238R	18	1/4" stereo phono audio jack, RA, metal	41.28mm x 19.84mm Dia.	5.55	5.30	4.95	4.70
296972CG	111R	19	1/4" mono phono audio jack, metal bushing	34.8mm x 15.87mm Dia.	1.45	1.31	1.25	1.21
297537CG	N111R	19	1/4" mono phono audio jack, plastic bushing	34.8mm x 15.87mm Dia.	1.69	1.52	1.45	1.31
302543CG	240R	10	1/4" mono phono audio jack, black	78.3mm x 7.5mm ID	2.99	2.69	2.54	2.29
297115CG	228R	20	1/4" mono phono audio jack, RA, metal	42.1mm x 25.4mm Dia.	4.95	4.76	4.44	4.17
296981CG	112BR	19	1/4" phono audio jack, 3C, plastic	34.8mm x 15.87mm Dia.	1.59	1.41	1.38	1.33
297027CG	131R	13	1/4" phono audio jack, 3C, plastic	63.5mm x 12.7mm Dia.	\$10.49 9.25	7.01	6.43	5.82
297271CG	515R	21	1/4" jack cover	27.2mm x 21.9mm	7.15	6.95	6.67	6.38

Switchcraft®

Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281842CG	712AR	22	2.5mm DC power jack, panel mount	15.8mm x 7.5mm Dia.	\$2.05	\$2.02	\$1.98	\$1.88
281851CG	722AR	22	2.1mm DC power jack, panel mount	15.1mm x 7.5mm Dia.	2.09	1.94	1.87	1.80
297588CG	RAPC722R	24	2.0mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.85	.77	.71	.68
297561CG	PC722AR	23	2.0mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.65	2.39	2.35	2.29
297570CG	RAPC712R	24	2.5mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.86	.77	.71	.68
297553CG	PC712AR	23	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.99	2.77	2.59	2.53
297529CG	L712AR	25	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	3.75	3.50	3.05	2.75
281877CG	760R	26	2.5mm x 5.5mm DC power plug, plastic	9.6mm x 36.3mm x 5.7mm Dia.	2.15	1.94	1.76	1.66
297617CG	S760R	26	2.1mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	2.25	2.09	2.04	2.03
297289CG	761KR	27	2.5mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	3.99	3.59	3.47	3.35



NEUTRIK Audio Connectors

- Adapters
- Cable connectors
- Jacks
- Male and female



XLR Phone Adapters and Jacks

XLR Lockable Speaker Connectors

BNC Connectors

1/4" Professional Phone Plugs

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www.Jameco.com/Prod/NeutrikAudio

Switchcraft® Audio/Video Products

Switchcraft is a leading component supplier for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries.

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www.Jameco.com/Prod/SwitchcraftAV

AMP

CPC Circular Plastic Connectors



Series 1: Standard density, signal & low-current applications

- Accepts type III+; high-current type II & subminiature coax contacts
- Voltage rating: 600V (UL)

Free Hanging Receptacle

Part No.	Product No.	Arr.	Sex	1	10
495314CG	206036-3	17-16	Standard	\$2.05	\$1.87
495154CG	206043-3	17-14	Reverse	2.49	2.36
495189CG	206151-2	23-37	Standard	2.45	2.33
495197CG	206153-1	11-4	Standard	1.89	1.71
495091CG	206429-1	11-4	Reverse	2.89	2.61
495242CG	206705-2	13-9	Standard	1.95	1.76
495269CG	206838-2	23-24	Standard	3.59	3.36
495226CG	206430-2	11-4	Reverse	1.89	1.71

Square Flange Receptacle with Mounting Holes

Part No.	Product No.	Arr.	Sex	1	10
421382CG	206036-1	17-16	Standard	\$2.05	\$1.87
495146CG	206043-1	17-14	Reverse	2.05	1.87
495171CG	206151-1	23-37	Standard	2.35	2.14
495200CG	206306-1	23-37	Reverse	2.95	2.65
495218CG	206430-1	11-4	Reverse	1.99	1.86
495234CG	206705-1	13-9	Standard	1.95	1.79
495251CG	206838-1	23-24	Standard	2.45	2.32
495306CG	211769-1	17-9	Reverse	3.29	3.12
495162CG	206061-1	11-4	Standard	1.85	1.68
495285CG	211398-1	13-7	Reverse	2.95	2.67
495293CG	211401-1	13-7	Standard	3.25	3.09

Plugs

Part No.	Product No.	Arr.	Sex	1	10
495322CG	206037-1	17-16	Standard	\$2.55	\$2.32
495031CG	206044-1	17-14	Reverse	2.55	2.49
495066CG	206150-1	23-37	Standard	2.99	2.74
495074CG	206305-1	23-37	Reverse	3.19	2.91
495103CG	206708-1	13-9	Standard	3.25	2.94
495058CG	206837-1	23-24	Standard	3.35	3.01
421374CG	211399-1	13-7	Standard	3.05	2.77
495138CG	211400-1	13-7	Reverse	3.35	3.20
495120CG	211768-1	17-9	Reverse	3.49	3.34
495082CG	206060-1	11-4	Standard	2.25	2.04
495111CG	211766-1	17-9	Standard	3.95	3.68
495040CG	211772-1	23-19	Reverse	4.25	3.91

Series 2: High density applications

- Voltage rating: 250V (UL)
- Current: 7.5A max.
- Housing: thermoplastic black, UL94V-0 rated
- Feed thru contact: copper alloy, plated gold over nickel • 0.40" (1.02mm) pin diameter
- Max. wire insulation diameter: 0.068"
- Accepts size 20DM or 20DF crimp snap-in contacts

Free Hanging Receptacle

Part No.	Product No.	Arr.	Sex	1	10
421391CG	205481-2	11-8	Standard	\$3.29	\$3.12
495349CG	206152-1	17-28	Standard	4.59	4.28
495331CG	206486-2	11-9	Standard	3.39	3.16

Series 2 (continued): High density applications

Square Flange Receptacle with Mounting Holes

Part No.	Product No.	Arr.	Sex	1	10
495453CG	205840-3	17-28	Standard	\$3.69	\$3.37
495437CG	205841-1	11-8	Standard	3.29	3.12
495470CG	206038-1	17-28	Reverse	3.49	3.31
495429CG	206433-1	11-8	Reverse	3.35	3.16
495445CG	206436-1	11-9	Standard	3.25	3.03
495461CG	205843-1	23-63	Standard	5.75	5.37
495488CG	206438-1	23-57	Reverse	5.95	5.29

Plugs

Part No.	Product No.	Arr.	Sex	1	10
495381CG	205838-1	11-8	Standard	\$4.09	\$3.77
495402CG	208839-1	17-28	Standard	4.35	4.04
495411CG	205842-1	23-63	Standard	5.65	5.33
495365CG	206039-1	17-28	Reverse	4.49	4.19
495357CG	206434-1	11-8	Reverse	4.09	3.77
495373CG	206437-1	23-57	Reverse	5.75	5.37
495390CG	206485-1	11-9	Standard	5.35	4.83

Series 3 — Low-density power applications

- Accepts type XII power contacts w/c can carry up to 25A per contact, accommodates 16-10 AWG
- Housing: thermoplastic black, UL94V-0 rated

Square Flange G with Mounting Holes

Part No.	Product No.	Arr.	Sex	1	10
495550CG	206036-2	17-3	Standard	\$2.69	\$2.47
495568CG	206137-1	23-7	Standard	4.05	3.70
495533CG	206227-1	23-7	Reverse	3.29	2.99
495541CG	206425-1	17-3	Reverse	2.65	2.41

Plugs

Part No.	Product No.	Arr.	Sex	1	10
495517CG	206037-2	17-3	Standard	\$3.55	\$3.16
495525CG	206136-1	23-7	Standard	3.79	3.42
495509CG	206226-1	23-7	Reverse	3.85	3.48
495496CG	206426-1	17-3	Reverse	4.59	4.23

Series 4: Combination of standard & power density application

- Housing: thermoplastic black, UL94V-0
- Accepts type III+ and type XII power contacts

Plugs

Part No.	Product No.	Arr.	No. of Cavities	Power	Multimate	1	10
495584CG	206612-1	23-22M	2	20	..	\$4.39	\$4.01
495576CG	207485-1	23-16M	4	12	....	3.69	3.35

20DF Contact Pin

- Material: brass; finish: 30µ" gold over nickel
- Prepackaged: please order in increments of 100

Part No.	Product No.	Finish	Gender	100
527689CG	6-66506-1	A	Pin	\$1.143

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Crimp type; except for *P/N 526424CG
- Contact body – brass or phosphor bronze
- Finish:
A: 30µ" gold over nickel B: Tin-lead
C: 15µ" gold over nickel D: 30µ" select gold over nickel
E: 50µ" gold over nickel F: Silver plated

Part No.	Product No.	AWG	Finish	Gender	1	100
526424CG	66180-1	18-16	A	Pin*	\$0.84	\$0.60
526432CG	66181-1	18-16	A	Socket	..	.63
526387CG	66099-2	18-16	B	Pin	..	.23
526388CG	66099-3	18-16	C	Pin	..	.37
526344CG	66099-4	18-16	D	Pin	..	.33
526416CG	66101-4	18-16	D	Socket	..	.55
526467CG	66103-2	24-20	B	Pin	..	.22
526459CG	66103-3	24-20	C	Pin	..	.33
526969CG	66103-4	24-20	A	Pin	..	.34
526563CG	1-66103-5	24-20	B	Pin	..	.29
526361CG	1-66103-7	24-20	A	Pin	..	.44
526336CG	66105-2	24-20	B	Socket	..	.26
526379CG	66105-3	24-20	C	Socket	..	.38
526512CG	66105-4	24-20	D	Socket	..	.40
526504CG	1-66105-6	24-20	A	Socket	..	.40
526491CG	1-66360-0	18-14	B	Socket	..	.33
526475CG	1-66360-1	18-14	A	Socket	..	.60
526547CG	66360-2	18-14	B	Socket	..	.25
526686CG	66360-3	18-14	C	Socket	..	.75
526408CG	66360-4	18-14	D	Socket	..	.50
526441CG	1-66361-1	18-14	A	Pin	..	.41
526521CG	66361-2	18-14	B	Pin	..	.22
526395CG	66361-4	18-14	D	Pin	..	.34
527398CG	66601-1	18-14	B	Socket	..	.26
527347CG	66601-2	18-14	E	Socket	..	.39
526942CG	66602-1	18-14	F	Pin	..	.28
526934CG	66602-2	18-14	A	Pin	..	.34
526483CG	66399-4	24-20	D	Socket	..	.40
526539CG	66400-1	24-20	B	Pin	..	.22
526977CG	66400-4	24-20	A	Pin	..	.34

Type VI, CPC/Multimate Contacts

- Body material: brass

Part No.	Product No.	AWG	Finish	Gender	1	100
526951CG	66591-1	22-18	B	Pin	..	\$0.20

Type XII, Precision Formed Snap-In Crimp Pins

- Material: copper
- Assist spring

Part No.	Product No.	AWG	Finish	Gender	1	10
526580CG	66259-2	10	A	Pin	\$5.19	\$4.07
527355CG	66741-6	10	A	Socket	7.79	5.93
526571CG	66261-1	16-12	B	Pin	..	3.65
527380CG	66740-8	16-12	B	Socket	4.49	3.87
526598CG	66261-2	16-12	E	Pin	..	6.25
527363CG	66740-6	16-12	E	Socket	6.35	5.71
526601CG	66261-4	16-12	F	Pin	..	2.65
527371CG	66740-2	16-12	F	Socket	4.35	3.10

● Blue Part No. = Limited Quantity Available

AMP

CPC Accessories

Circular Sealing Cap with Plastic Wrap

Used to protect exposed contacts for unmated receptacles.

- Material: thermoplastic black, UL94V-1 rated
- Shell size: 11
- For Series 1 & 2 CPC connectors
- Sealing gasket: black neoprene
- Bead chain: steel, nickel plated
- Bead chain coupling: brass nickel plated



Part No.	Product No.	Description	1	10
495277CG	206903-1	Sealing cap	\$3.05	\$2.80

Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated
- 494127CG: body and crimp halves – zinc alloy nickel plated with stainless steel screws and washers



Part No.	Product No.	Shell Size	Cable O.D. (max.)	1	10
494127CG	208945-8	28	.938"	\$19.65	\$18.01
494047CG	206062-3	28	.329"	2.85	2.72
494039CG	206062-1	28	.329"	2.75	2.66
494071CG	206138-1	23	.703"	3.15	2.85
494012CG	206512-1	23	1.125"	3.99	3.61
494063CG	206070-1	17	.453"	2.85	2.75
493992CG	206322-1	17	.703"	3.45	3.15
494004CG	207008-1	13	.703"	3.19	2.90
494055CG	206966-1	13	.453"	2.89	2.62
493984CG	206358-1	11	.453"	2.99	2.50

AMP Pro-Crimper II Hand Tools

Commercial grade hand tool for crimping various products. Features ratchet control to provide complete crimp cycle. Accepts both pinned- and shouldered-style die sets. Locators are provided with pinned-style die sets for proper contact and wire positioning, and to help minimize contact rotation and bending during crimping.



526176CG: Hand crimper tool
526352CG: Die set for Type II/VI pin & socket contacts

Part No.	Product No.	1	5
526176CG	58448-2	\$159.59	\$145.06
526352CG	58495-1	145.19	138.26

Amphenol® RF

Series 44 Circular Connector Tools



Part No.	Product No.	Description	1	10
567568CG	356-258	Insertion tool	\$41.05	\$38.97
567576CG	356-259	Pin extractor	24.69	23.46
567592CG	356-260	Socket extractor	24.69	23.46

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Self Centering Cable Clamp

Used in applications where strain relief protection is required and the cable or wire bundle is large and/or stiff.

- Material: black thermoplastic, UL94V-0 rated



Part No.	Product No.	Shell Size	1	10
494021CG	207774-1	23	\$4.55	\$4.18

Keying Plugs

Used in multimate contact cavities that accept type II, type II+ and subminiature coaxicon socket contacts.



- Housing: nylon natural, UL94V-0

♣ Blue Part No. = Limited Quantity Available

* Prepackaged: please order in increments of 10

Part No.	Product No.	Description	1	10
493976CG	200821-1	Keying plug	*	\$1.15
493968CG	206509-1	Keying plug for series 2	.33	.277

Internal Cable Grip & Boot

Provide strain relief capabilities for jacketed cables in applications where aesthetic appearance is essential.



- Shell size: 11

Prepackaged: please order in increments of 10

Part No.	Product No.	Description	10	100
493950CG	207490-1	Cable grip	\$2.14	\$2.09
493941CG	207489-1	Cable boot	2.04	1.90

Peripheral Seal

- Shell size: 11

♣ Blue Part No. = Limited Quantity Available

Prepackaged: please order in increments of 10



Part No.	Product No.	10	100
421366CG	206403-1	\$4.51	\$3.89

AMP Z-Pack Connectors



- 55-125 contacts
- Right angle female connectors
- Standard and reduced crosstalk versions
- Glass filled polyester housing

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Z-Pack Connector Offering at www.Jameco.com/Prod/AMPZPack

molex

MX150L Sealed Connectors

The MX150L™ connector system is designed to meet the needs for a rugged, environmentally sealed connector system supporting both low-level signal and power applications.



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Molex MX150L Series Offering at www.Jameco.com/Prod/MolexMX150L

AMP

AMPLIMITE™ Screw Retainers & Locks

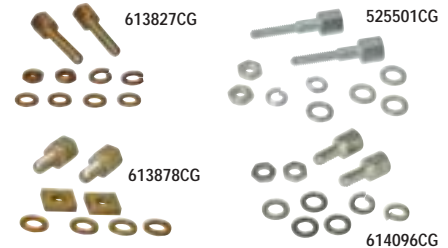
Metal Screw Retainers for Metal Shell Connectors (HDE/HDP)

- Retaining clip: 0.012" (0.31mm) stainless steel
- Male screw: steel, zinc plated
- Finish: yellow
- Thread size: 4-40



Part No.	Product No.	Description	1	10
613763CG	205980-1	Metal screw retainers	\$4.00	\$3.61
614109CG	745647-1	Female screw locks	.84	.79

Female Screw Locks for Metal Shell and All Plastic Connectors (HDE/HDF/HDP)



- Cold rolled steel, zinc plated

For HD All Plastic Plugs & Receptacles with Integral Stand-Offs

- Thread length: 0.560"

Lower \$\$\$

Part No.	Product No.	Finish	Thread Size	1	10
613827CG	207719-1	Yellow	4-40	\$1.05	\$.93
613835CG	207719-3	Clear	4-40	.96	.87
525501CG	747223-3	Clear	2-56	2.75	2.25

For HD All Plastic Right Angle Plugs and Receptacles with Integral Stand-Offs

- Thread length: 0.250"

Part No.	Product No.	Finish	Thread Size	1	10
613878CG	207952-1	Yellow	4-40	\$1.49	\$1.33
613886CG	207952-3	Clear	4-40	.97	.87
614088CG	745563-1	Yellow	4-40	1.25	1.13

For HDE Metal Shell or All Plastic Plugs & Receptacles

- Thread length: 0.250"

Part No.	Product No.	Finish	Thread Size	1	10
614096CG	745563-3	Clear	4-40	.96	.92

Low Profile Screw Retainer Kit (HDF)

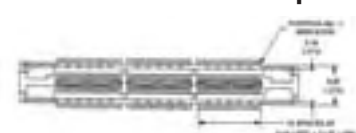
- Cold rolled steel, zinc plated



Part No.	Product No.	Description	1	10
614184CG	746881-1	Male retainer kit	\$1.41	\$1.26

AMP

MICTOR® Receptacles



- Level III board-to-board connector
- High density and controlled impedance
- Redundant contact design

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mictor Receptacle Offering at www.Jameco.com/Prod/AMPMICTOR

Color Code Legend

New Sale Lower\$ QtySave

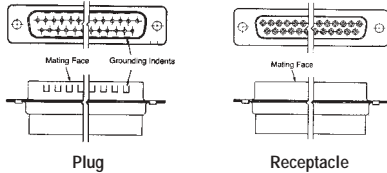
AMP

D-Subminiature Connectors

- Dielectric withstanding voltage: 1000VAC (one minute)
- Nylon, flame retardant, 94V-0 rated, glass filled
- Low-cost, high-performance, precision formed crimp contacts
- Standard mounting method with 0.120" diameter mounting holes
- Insulation resistance: 5000MΩ
- UL/CSA recognized and certified

Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



Zinc-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222640CG	205204-1	9	Plug	\$.66	\$.60	\$.57
222658CG	205206-1	15	Plug .....	.87	.80	.60
222666CG	205208-1	25	Plug	1.05	.92	.82
222674CG	205210-1	37	Plug	1.32	1.20	.90
222682CG	205212-1	50	Plug	2.09	1.79	1.69
222691CG	205203-1	9	Receptacle ..	.75	.69	.60
222703CG	205205-1	15	Receptacle ..	.84	.76	.60
222711CG	205207-1	25	Receptacle	1.05	.95	.71
222720CG	205209-1	37	Receptacle	1.27	1.18	.92
222738CG	205211-1	50	Receptacle	2.09	1.79	1.69

Tin-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222754CG	205204-3	9	Plug	\$1.29	\$1.15	\$.85
222762CG	205206-2	15	Plug	1.07	.98	.90
222771CG	207464-1	25	Plug	1.06	.97	.72
222789CG	205210-2	37	Plug	1.69	1.49	1.12
222797CG	205204-4	9	Plug*	.83	.75	.57
222800CG	205206-3	15	Plug*	.99	.89	.65
222818CG	207464-2	25	Plug*	.88	.78	.58
222826CG	205210-3	37	Plug*	1.69	1.49	1.12
222834CG	205212-3	50	Plug*	\$1.79	1.25	1.19
222842CG	205203-3	9	Receptacle	.69	.59	.52
222914CG	205205-2	15	Receptacle	.88	.78	.58
222922CG	207463-1	25	Receptacle	.62	.58	.537
222931CG	205209-2	37	Receptacle	1.10	.92	.69
222949CG	205211-2	50	Receptacle	2.09	1.79	1.34

* With grounding indents

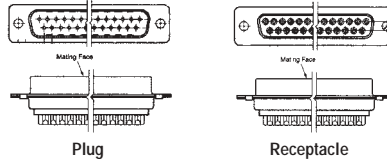
D-Sub Pin Insertion/Extraction Tools

- 527582CG/
19094CG/223335CG: AMP
Plastic body; metal tips
223327CG: Handle with .050" hex
wrench & exchangeable tips

Part No.	Description	1	10
19094CG	Red/white plastic body	\$2.79	\$2.49
527582CG	AMP# 91067-1	6.89	6.55
223335CG	AMP# 91067-2	5.39	4.89
223327CG	AMP# 91285-1	19.99	18.99

Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solder wicking contact design



Zinc-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222957CG	747904-4	9	Plug	\$1.89	\$1.59	\$1.32
222965CG	747908-4	15	Plug	2.65	2.19	1.75
222973CG	747912-4	25	Plug	3.69	3.10	2.49
222981CG	747916-4	37	Plug	5.45	4.56	3.42
223036CG	747905-4	9	Receptacle	2.65	2.23	1.76
223044CG	747913-4	25	Receptacle	4.75	3.99	3.19

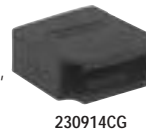
Tin-Plated Shell



Part No.	Product No.	Cont.	Description	1	10	100
222990CG	747904-2	9	Plug	\$1.69	\$1.55	\$1.15
223001CG	747908-2	15	Plug	2.79	2.49	1.85
223010CG	747912-2	25	Plug	3.29	2.95	2.19
223028CG	747916-2	37	Plug	5.29	4.29	3.49
223052CG	747905-2	9	Receptacle	2.35	2.09	1.55
223061CG	747909-2	15	Receptacle	3.45	2.99	2.19
223079CG	747913-2	25	Receptacle	4.09	3.69	2.72
223087CG	747917-2	37	Receptacle	6.65	5.69	4.19

AMP Plastic Hoods for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
- Screw plating: zinc

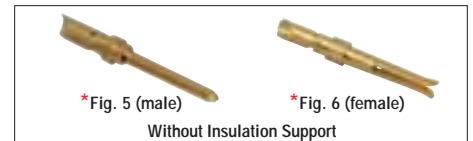
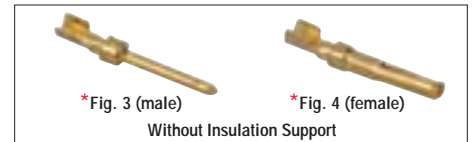


Part No.	Product No.	Positions	1	10	100
230893CG	205729-1	9	\$2.25	\$1.85	\$1.46
230906CG	205730-1	15	2.35	2.10	1.85
230914CG	205718-1	25	2.05	1.69	1.32
230922CG	205731-1	37	2.99	2.54	2.04
230931CG	205732-1	50	2.95	2.65	1.98

AMP

D-Sub Contacts

- Pin material: brass;
- socket material: phosphor bronze
- Contact plating
- *A: Select – gold flash over nickel on entire contact, with additional gold (0.000030") on mating end;
- *B: Duplex – gold (0.000030") on mating end, tin-lead on termination end, with entire contact nickel underplated;
- *C: gold flash over nickel on entire contact;
- *D: gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
- For use with AMP D-sub connectors (see left)
- Minimum order 10 pieces



Male Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223095CG	1-66507-0	1C	28-24	\$.24	\$.17	\$.12
223124CG	66682-4	1A	28-24	.22	.16	.14
223108CG	66507-9	1A	28-24	.18	.12	.09
223132CG	745254-7	1C	26-22	.25	.23	.22
223141CG	745254-6	1A	26-22	.25	.18	.13
223159CG	1-745254-6	1B	26-22	.25	.18	.135
223167CG	1-66506-0	1C	24-20	.16	.15	.12
223175CG	205202-7	3C	24-20	.27	.26	.25
223183CG	5-66506-9	1D	24-20	.21	.15	.13
223191CG	66506-9	1A	24-20	.16	.15	.112
223204CG	5-66506-7	1B	24-20	.14	.105	.078
223212CG	745229-4	3A	22-18	.21	.17	.127

Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221CG	1-66505-0	2C	28-24	\$.18	\$.12	\$.09
223239CG	66683-4	2A	28-24	.16	.126	.102
223247CG	745253-6	2A	26-22	.22	.153	.114
223255CG	1-66504-0	2C	24-20	.17	.15	.11
223263CG	205201-7	4C	24-20	.26	.214	.16
223271CG	5-66504-7	2D	24-20	.16	.12	.10
223280CG	205201-5	4A	24-20	.43	.399	.299
223298CG	66504-9	2A	24-20	.17	.15	.13
223301CG	6-66504-0	2B	24-20	.26	.214	.16

Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982CG	66570-3	5A	28-24	\$.22	\$.12	\$.11

Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319CG	66569-3	6A	18 (max.)	\$.225	\$.18	\$.162

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.



AMPLIMITE™ D-Subminiature Connectors

HD-20 Right Angle PCB Mount 0.318" Setback



- Housing: 94V-0 rated thermoplastic, black
- Front shell: steel, tin plated • Lead length: 0.125"
- Lead diameter: 0.026" • Lead spacing: 0.108"
- Socket plating: A: 30µ" gold mating end, tin-lead terminating end, nickel under plated; B: gold flash mating end, tin-lead terminating end, nickel under plated

Without board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	10
614125CG	745781-4	A	9	F	\$1.95	\$1.74
614248CG	745250-4	A	9	M	2.19	2.00
614133CG	745782-4	A	15	F	2.35	2.09
614221CG	745236-4	A	15	M	5.69	5.23
614141CG	745783-4	A	25	F	2.75	2.50
614230CG	745238-4	A	25	M	3.65	2.95
614150CG	745784-4	A	37	F	5.49	5.24

With board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	65
614504CG	747844-4	A	9	F	\$2.05	\$1.91
614441CG	747840-4	A	9	M	1.45	1.29
614491CG	747844-3	B	9	F	1.75	1.60
614432CG	747840-3	B	9	M	1.55	1.42
614539CG	747845-4	A	15	F	1.69	1.56
614467CG	747841-4	A	15	M	1.69	1.65
614555CG	747846-4	A	25	F	2.35	2.33
614475CG	747842-4	A	25	M	3.25	2.92
614547CG	747846-3	B	25	F	2.05	1.90
614571CG	747847-4	A	37	F	4.19	3.78
614483CG	747843-4	A	37	M	4.55	4.09

With board locks, w/ fixed female screw locks

Part No.	Product No.	Plating	Pins	Gender	1	10
614459CG	747840-6	A	9	M	\$1.89	\$1.71
614512CG	747844-5	B	9	M	1.79	1.60
614521CG	747844-6	A	9	F	1.75	1.65
614563CG	747846-6	A	25	F	3.09	2.77

HD-20 Straight PCB Mount



- Housing: 94V-0 rated thermoplastic black
- Shell: steel, tin plated • Lead spacing: 0.108"
- Lead diameter: 0.026"
- Socket contacts phosphor bronze w/ 30µ" gold on mating end, tin-lead termination end, 50µ" nickel underplated • Lead length: 0.5"

With female screw locks

Part No.	Product No.	Pins	Gender	1	10	100
614934CG	1-747150-4	9	F	\$4.89	\$4.42	\$4.17
614580CG	747871-2	9	M	4.05	3.95	3.75
525296CG	1-745967-4	25	F	5.19	4.65	4.39

With 4-40 threaded inserts

Part No.	Product No.	Pins	Gender	1	10	100
614213CG	747150-8	9	F	\$3.79	\$3.41	\$3.15
614598CG	747871-8	9	M	4.05	3.65	3.45
614176CG	747967-8	25	F	6.29	5.66	5.35

With standard mounting holes

Part No.	Product No.	Pins	Gender	1	10	100
614205CG	747150-2	9	F	\$5.25	\$4.85	\$4.72

HDE-20 Metal Shell IDC Connectors



- Front shell: steel, tin plated
- Contacts: phosphor bronze
- Plating: 30µ" gold on mating end, tin-lead on termination end, with entire contact nickel underplated
- Contact identification No. 2 for 26-22AWG

Part No.	Product No.	Positions	1	10	100
614070CG	747491-2	9	\$2.35	\$1.91	\$1.67

HDF-20 Low Profile Metal Shell (For Round Conductor Flat Ribbon Cable)



- Housing cover and cable stabilizer: 94V-0 rated thermoplastic, black
- Front shell: steel, tin plated
- Contacts: phosphor bronze with 30µ" gold on mating end, 100µ" bright tin-lead terminating end, nickel underplated

With standard mounting holes

Part No.	Product No.	Pins	Gender	1	10	100
614328CG	747303-4	9	F	\$4.25	\$3.80	\$3.59
614361CG	747306-4	9	M	3.95	3.90	3.75
614310CG	747303-3	15	F	4.49	4.45	4.35
614352CG	747306-3	15	M	4.49	4.45	4.35
614301CG	747303-2	25	F	6.09	5.49	5.19
614344CG	747306-2	25	M	5.99	5.39	5.08
614299CG	747303-1	37	F	8.05	7.21	6.90
614336CG	747306-1	37	M	8.05	7.21	6.80

With threaded inserts

Part No.	Product No.	Pins	Gender	1	10	100
525481CG	747043-4	9	M	\$5.39	\$4.29	\$4.05
525499CG	747052-2	25	F	7.05	6.39	5.76

Thermoplastic body w/ standard mounting holes

Part No.	Product No.	Pins	Gender	1	10
614387CG	747318-4	9	F	\$3.45	\$3.15
614408CG	747321-4	9	M	3.85	3.24
614379CG	747318-2	25	F	8.25	5.04
614395CG	747321-2	25	M	5.59	5.04

Cable stabilizers

Part No.	Product No.	Positions	1	10	100
614281CG	747275-4	9	\$0.22	\$0.195	.166
614272CG	747275-3	15	.25	.22	.19
614264CG	747275-2	25	.29	.26	.247
614256CG	747275-1	37	.33	.293	.26

HD-22 Right Angle PCB Solder 0.350" Setback



- Front shell: steel, tin plated
- Housing: 94V-0 rated thermoplastic, black
- Socket: phosphor bronze with 30µ" gold on mating end, tin-lead termination end, with nickel underplating

With board locks and threaded inserts

Part No.	Product No.	Pins	Gender	1	10	100
614715CG	748481-5	26	F	\$4.99	\$4.53	4.28
614723CG	748482-2	44	F	3.15	2.84	2.69

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



AMPLIMITE™ D-Sub Connector Accessories



- Die cast shield material and finish: zinc alloy, plated bright nickel over bright copper
- Plastic shield: thermoplastic black
- 4-40 fillister head screws & hex nuts: steel, zinc plated
- 4-40 mounting screws: steel zinc plated
- Jackscrews: stainless steel, passivated

Die cast cable clamps

Part No.	Product No.	Cable (O.D) max.	1	10
614029CG	745171-1	0.240"	\$4.05	\$3.67
614037CG	745171-2	0.200"	4.55	4.14
614045CG	745172-1	0.375"	4.49	4.08
614053CG	745172-2	0.300"	5.19	4.46
614061CG	745173-3	0.430"	4.29	3.89

Jackscrews

Part No.	Product No.	Thread Size	1	10
525544CG	747784-8	4-40	\$4.65	\$4.56
614424CG	747784-3	4-40	1.65	1.50

Spring Latch

- Material: stainless steel (for use with HDE and HDP metal shell)

Part No.	Product No.	1	10
614117CG	745779-2	\$0.99	\$0.90

HDP-20 Basic Shielding Plug Hardware Kit

- Kit contains connector, inner shield, outer shield
- Connector shells: steel, tin plated
- Connector insert: thermoplastic black, 94V-0 rated
- Shield: steel, tin plated
- Recommended cable insulation dia.: 0.165"-0.455"

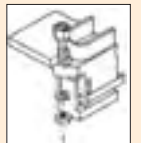


Part No.	Product No.	Pos.	Max. Cable Dia.	1	10
614416CG	747522-1	9	0.350"	\$1.65	\$1.38

AMP Rear Panel Mount Jack Socket Assembly

Install jack socket and attach lockwasher and nut.

- For use with 0.062" (1.57mm) thick panel.



Part No.	Product No.	Description	1	10
620066CG	609-006-1	Jack socket assembly	\$5.49	\$4.97

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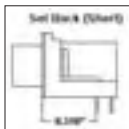
D-Subminiature Connectors

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)

- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

JAMECO ValuePro

Right Angle PC Mount



Metal .318" Set Back

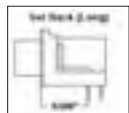
- Short style
- Lead length: .138"
- Lead spacing: .115"
- Current rating: 1A



15149CG

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100	500
104943CG	DB9P318	9	M	\$.55	\$.50	\$.45	\$.38
104952CG	DB9S318	9	F	.60	.55	.49	.45
71124CG	DA15P318	15	M	.69	.59	.55	.49
77956CG	DA15S318	15	F	.79	.69	.65	.45
168743CG	HDB15S318	15*	M	.69	.62	.56	.51
71466CG	HDB15S318	15*	F	.59	.53	.48	.39
15149CG	DB25P318	25	M	.79	.65	.55	.45
15181CG	DB25S318	25	F	.89	.79	.72	.65
265439CG	DSUB-25F	25	F	.85	.73	.62	.48
71706CG	DC37P318	37	M	.99	.89	.80	.66
78182CG	DC37S318	37	F	1.15	1.03	.86	.61

* High Density



Metal .590" Set Back

- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Long style



104977CG

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
104969CG	DB9P590	9	M	\$.99	\$.83	\$.72
104977CG	DB9S590	9	F	.89	.79	.75
104993CG	DA15S590	15	F	1.05	.91	.63
105005CG	DB25P590	25	M	.99	.89	.79
105013CG	DB25S590	25	F	1.25	1.12	.99

Other Manufacturers — Great Deals

189624CG	DB25P590	25	M	\$.29	\$.26	\$.24
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† Without board tabs

JAMECO ValuePro

IDC Ribbon Cable

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temp range: -55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see cross ref. no.)



12431CG

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
109225CG	MDB9P	9	M	\$1.39	\$1.29	\$1.13
12503CG	CDB9P	9	M	2.49	1.79	1.59
109217CG	MDB9S	9	F	1.55	1.23	1.08
12520CG	CDB9S	9	F	2.59	2.35	2.09
117381CG	MDA15P	15	M	1.65	1.32	.73
12298CG	CDA15P	15	M	1.65	1.32	.79
116011CG	MDA15S	15	F	1.55	1.25	.85
12319CG	CDA15S	15	F	1.79	1.50	.73
115983CG	MDB25P	25	M	2.05	1.83	1.54
12335CG	CDB25P	25	M	1.89	1.69	1.29
115975CG	MDB25S	25	F	2.05	1.83	1.54
12431CG	CDB25S	25	F	1.95	1.79	1.39
115991CG	MDC37P	37	M	2.39	2.15	1.55
12466CG	CDC37P	37	M	3.09	2.93	2.74
116003CG	MDC37S	37	F	3.25	2.94	2.65
12482CG	CDC37S	37	F	3.49	2.99	2.25

† Requires flat cable w/ .0625" centers

JAMECO ValuePro

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins
- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use 99442CG, pg 311 to crimp 43377CG, 43369CG

* Minimum order 10 pieces

Part No.	Description	1	10	100	1000
73189CG	DB9 M housing	\$.49	\$.39	\$.31	\$.19
73197CG	DB9 F housing	.49	.39	.31	.19
73200CG	DA15 M housing	.59	.53	.48	.43
73218CG	DA15 F housing	.62	.56	.50	.44
180882CG	HDB15 M housing	1.09	.98	.78	.58
180890CG	HDB15 F housing	.89	.79	.72	.54
38789CG	DB25 M housing	.56	.44	.36	.21
38771CG	DB25 F housing	.55	.44	.31	.21
43377CG	M crimp pin	*	.10	.09	.08
43369CG	F crimp pin	*	.08	.07	.06
185421CG	M crimp pin (180882CG)	*	.055	.045	.04
185412CG	F crimp pin (180890CG)	*	.055	.05	.04
19094CG	Insert/extract. tool for above pins (HT101)	2.79	2.49		

* High Density

JAMECO ValuePro

Metal Solder-Cup

- Compatible with 24 AWG communications pg 110, and 22 AWG solid cable, pg 109

Part No.	Contacts	Gender	1	10	100	1000
15747CG	9	M	\$.56	\$.44	\$.36	\$.24
15771CG	9	F	.59	.49	.44	.31
15077CG	15HD	M	.69	.59	.49	.31
164822CG	15HD	F	.79	.69	.59	.39
15034CG	15	M	.55	.49	.42	.29
15051CG	15	F	.59	.49	.39	.24
15114CG	25	M	.99	.89	.79	.71
15157CG	25	F	.89	.80	.69	.61
203799CG	26HD	M	.65	.58	.52	.49
203782CG	26HD	F	.75	.68	.61	.58
15472CG	37	M	.99	.85	.79	.49
15499CG	37	F	1.19	1.05	.85	.49
15675CG	50	M	1.65	1.49	1.35	.99
15691CG	50	F	1.79	1.39	1.32	.99

Other Manufacturers — Great Deals

482687CG	25	M	\$.89	\$.80	\$.72	\$.62	\$.45
482708CG	25	F	.80	.72	.62	.45	
639630CG	37	M	.89	.80	.71	.49	
482724CG	37	F	.89	.80	.71	.49	
482732CG	50	M	1.49	1.34	1.21	.89	
482741CG	50	F	1.49	1.34	1.21	.89	

* High Density

JAMECO ValuePro

Metal Straight PC Mount

- Non-removable contacts
- Current rating: 5A
- Operating temp.: -65° to +250°F
- 125 Vrms

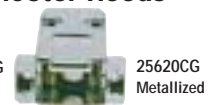
Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111691CG	DB9PPCB	9	M	\$.55	\$.45	\$.32
15781CG	DB9SPCB	9	F	.55	.45	.32
176760CG	DA15PPCB	15	M	.49	.44	.33
176751CG	DA15SPCB	15	F	.49	.42	.31
15122CG	DB25PPCB	25	M	.65	.59	.52
15165CG	DB25SPCB	25	F	.74	.67	.39
180021CG	DC37SPCB	37	F	.85	.72	.54

JAMECO ValuePro

D-Sub Connector Hoods



15085CG
Plastic



25620CG
Metallized

- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref.	Connector	1	10	100	1000
15721CG	DB9H	9-pin	\$.49	\$.45	\$.39	\$.35
25620CG	MDB9H	9-pin	.59	.49	.39	.35
147740CG	MHD9H	9-pin	1.45	1.29	1.15	.99
15018CG	DA15H	15-pin	.49	.45	.40	.35
25566CG	MDA15H	15-pin	.56	.44	.36	.31
15085CG	DB25H	25-pin	.45	.39	.35	.32
25603CG	MDB25H	25-pin	.59	.49	.42	.35
15106CG	MHD25H	25-pin	1.39	1.19	1.09	.92
15457CG	DC37H	37-pin	.59	.55	.45	.39
25611CG	MDC37H	37-pin	.75	.69	.59	.443
15659CG	DD50H	50-pin	.99	.85	.75	.65

JAMECO ValuePro

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.



Part No.	Description	1	10	100	500
34091CG	25-pin, plastic dual	\$.95	\$.85	\$.75	\$.59

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs



* Minimum order 10 pieces

Part No.	Description	1	10	100	1000
196293CG	.252"L jack screw	\$.21	\$.12	\$.08	
169931CG	.275"L jack screw	.15	.112	.084	
172603CG	.315"L jack screw	.121	.101	.076	
102816CG	.435"L jack screw	.49	.46	.41	.37
108986CG	.515"L jack screw	.55	.50	.45	.40
125015CG	4-40 x 1.65"L plastic beige thumbscrew	.39	.35	.32	.25
175636CG	.187"L standoff	.21	.15	.10	
102795CG	.236"L (6mm) stdf	.21	.15	.10	

4-40 Screw Sets



102808CG: 4-40 screw (.385"L) and retainer set
16547CG: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

* Minimum order 10 pieces

Part No.	Description	10	100	1000
102808CG	Screw/retainer set	\$.39	\$.35	\$.263
16547CG	Screw/nut set	.31	.25	.17

Cinch

D-Sub Metal Shells

- Insulator material: glass filled polyester (black) UL94V-0 rated
- Insulation resistance: 5000MΩ max. (initial)

- Current: 5A
- Durability: 500 mating cycles

DxKL Series



- Contact material: socket – phosphor bronze (stamped); plugs – brass (stamped)
- Contact plating: gold flash, tin/lead on tails over nickel
- Metal shell: steel w/ tin plating (grounding indents on plugs)
- Contact resistance: 15mΩ max.

Right Angle

- 0.318" foot print
- Boardlock: brass w/ tin plating
- Females screwlock: brass w/ nickel plating
- Withstanding voltage: 1250Vrms

With 4-40 threaded inserts

Part No.	Product No.	Positions	Gender	1	25
446547CG	DAKL-9PATI-E	9	M	..... \$ .79	..... \$ .73
446571CG	DAKL-15PATI-E	15	M	..... 1.05	..... .91
458046CG	DAKL-15SAT-E	15	F	..... 1.05	..... .91
446483CG	DBKL-25SAT-E	25	F	..... 1.05	..... .96

Sockets w/ female screwlocks

Part No.	Product No.	Positions	1	25
446475CG	DBKL-25SAT-F	25	..... \$ .59	..... \$ .541

Vertical PCB

- Straight DIP solder tails
- 0.024" contact diameter
- Withstanding voltage: 1000Vrms

Part No.	Product No.	Positions	Gender	1	25
458097CG	DEKL-9PUTI	9	M	..... \$ .49	..... \$ .437
458100CG	DEKL-9SUT	9	F	..... .77	..... .68
458054CG	DAKL-15PUTI	15	M	..... .92	..... .81
458062CG	DAKL-15SUT	15	F	..... .94	..... .83
458071CG	DBKL-25PUTI	25	M	..... .73	..... .66
458089CG	DBKL-25SUT	25	F	..... .91	..... .76

Cinch

D-Sub Solder Cup IDC Connectors

Tx Series Plastic IDC for Discrete Cable Wire

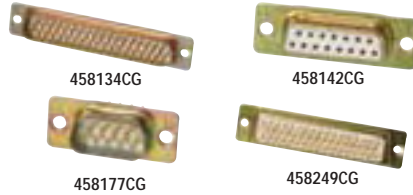
- Current: 3A
- Insulator material: glass filled polyester (black) UL94V-0 rated
- Shell: steel w/ zinc plating, yellow chromate finish or tin plating (ground indents on plugs)
- Contact material: phosphor bronze (stamped)
- Contact plating: gold flash or 30μ" gold in mating area, gold flash over nickel
- Withstanding voltage: 1000Vrms min
- Contact resistance: 2.7mΩ max.
- Insulation resistance: 5000MΩ max. (initial)
- Durability: 500 mating cycles
- For use with SDH series gray backshell



Plain flange, w/ mounting holes

Part No.	Product No.	Positions	Gender	1	25
458003CG	TE9P	9	M	..... \$2.75	..... \$2.05
457991CG	TB-25S	25	F	..... 4.85	..... 3.61
458011CG	TC-37P	37	M	..... 4.39	..... 4.13

D Series



- Connector shell: steel w/ zinc plating, yellow chromate finish or tin plating (grounding indents on plugs)
- 4-40 clinch nut: steel w/ cadmium plating & yellow chromate finish
- Contact material: copper alloy
- Dual float bushing: stainless steel, passivated
- Withstanding voltage: 1250Vrms
- Contact resistance: 2.7mΩ max.
- Contact plating: stamped contacts – gold flash

With mounting holes

Part No.	Product No.	Positions	Gender	1	25
457959CG	DE-9P	9	M	..... \$1.95	..... \$1.70
458169CG	DE-9S	9	F	..... 2.35	..... 2.07
458118CG	DA-15P	15	M	..... 3.39	..... 2.98
458142CG	DA-15S	15	F	..... 2.39	..... 2.10
458126CG	DB-25P	25	M	..... 7.75	..... 6.91
458151CG	DB-25S	25	F	..... 3.19	..... 2.83
458134CG	DC-37P	37	M	..... 3.89	..... 3.66
457967CG	DC-37S	37	F	..... 6.49	..... 6.05
457975CG	DD-50P	50	M	..... 6.29	..... 5.62
458038CG	DD-50S	50	F	..... 21.39	..... 19.16

Wire Wrap, 0.375"L tail, w/ mounting holes

Part No.	Product No.	Positions	Gender	1	25
458257CG	DE-9P-F179	9	M	..... \$3.19	..... \$2.79
458265CG	DE-9S-F179	9	F	..... 4.95	..... 4.49
458177CG	DA-15P-F179	15	M	..... 3.75	..... 3.54
458185CG	DA-15S-F179	15	F	..... 6.55	..... 6.35
458193CG	DB-25P-F179	25	M	..... 5.29	..... 5.02
458206CG	DB-25S-F179	25	F	..... 7.99	..... 7.56
458214CG	DC-37P-F179	37	M	..... 7.35	..... 6.97
458222CG	DC-37S-F179	37	F	..... 11.49	..... 10.77
458249CG	DD-50S-F179	50	F	..... 15.15	..... 14.39

Wire Wrap, 0.585"L tail, w/ mounting holes

Part No.	Product No.	Positions	Gender	1	25
458020CG	DB-25PTI-F179C	25	M	..... \$5.49	..... \$5.20

Cinch

D-Sub Plastic Hoods

- Shell material: phenolic hood—phenolic black; all plastic straight (180°) hood – nylon, gray; all plastic right angle (90°) hood—nylon, gray
- #4-40 screws: steel w/ nickel plating

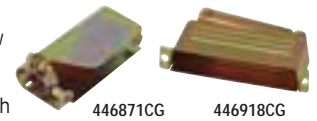


Part No.	Product No.	Std. Density	Description	1	25
446686CG	DE-51218-1	9	Straight ...	\$2.99	\$2.78
446694CG	DA-51210-1	15	Straight	3.25	3.04
446707CG	DB-51212-1	25	Straight	3.45	3.17
446715CG	DB-51213-1B	25	Rt. angle ...	2.55	2.36
446678CG	DB-51226-1A	25	Straight	2.89	2.17

Cinch

Metal D-Sub Junction Shells

- Shell material: zinc plated low carbon steel with yellow chromate finish
- Clamp & screw: zinc plated steel w/ yellow chromate finish
- Stop nut: zinc plated brass w/ yellow chromate finish



Right Angle Clamp

Part No.	Product No.	Shell Size	Std. Density	1	25
446889CG	DE-19977-5	E	9	..... \$3.55	..... \$3.27
446862CG	DA-19977-1	A	15	..... 3.09	..... 2.88
446871CG	DB-19977-2	B	25	..... 3.09	..... 2.88

Straight Clamp

Part No.	Product No.	Shell Size	Std. Density	1	25
446934CG	DE-24567	E	9	..... \$4.19	..... \$3.84
446926CG	DA-24658	A	15	..... 3.35	..... 3.06
446660CG	DB-19678-2	B	25	..... 2.65	..... 2.04
446900CG	DB-24659	B	25	..... 2.75	..... 2.50
446651CG	DC-19678-3	C	37	..... 2.89	..... 2.75
446918CG	DC-24660	C	37	..... 2.85	..... 2.62
446897CG	DD-24661	D	50	..... 3.65	..... 3.44

Cinch D-Sub Backshells

- Fits standard metal shell D-sub plugs & sockets as well as HTD series 1.5 D-Subs
- #4-40 screws, hex-nut, mounting bracket: steel w/ zinc plating and clear chromate plating
- Standard backshells: plastic backshells, ABS black, hardware – steel with zinc plating, grommets – polyphenylene, black
- Metallized plastic backshells: ABS w/ nickel over copper plating, hardware – steel w/ zinc plating, grommets – PVC black
- Diecast backshells: diecast zinc; grommets: PVC black



NEW

Metallized Plastic Straight (180°) Cable Entry

Part No.	Product No.	Std. Density	Cable Dia.	1	25
446766CG	DHC-E-001	9	.21"-.35"	\$3.09	\$2.68
446774CG	DHC-A-001	15	.21"-.35"	2.25	2.09
446782CG	DHC-B-001	25	.21"-.35"	3.25	2.94
446791CG	DHC-C-001	37	.23"-.45"	3.39	3.15
446803CG	DHC-D-001	50	.35"-.64"	5.95	4.43

Diecast Metal Straight (180°) Cable Entry

Part No.	Product No.	Std. Density	Cable Dia.	1	25
446811CG	DMH-E-001	9	.21"-.32"	\$3.55	\$3.33
446820CG	DMH-A-001	15	.21"-.32"	4.65	4.01
446838CG	DMH-B-001	25	.23"-.45"	4.35	4.08
446846CG	DMH-C-001	37	.35"-.65"	6.09	5.32
446854CG	DMH-D-001	50	.35"-.64"	4.75	4.48

Plastic Straight (180°) Cable Entry

Part No.	Product No.	Std. Density	Cable Dia.	1	25
446723CG	DPH-E-001	9	.21"-.32"	\$1.65	\$1.52
446731CG	DPH-A-001	15	.21"-.32"	1.55	1.40
446740CG	DPH-B-001	25	.23"-.45"	1.95	1.79
446758CG	DPH-C-001	37	.35"-.65"	1.99	1.91

We're committed to providing you with the best service in the industry.

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Cinch

Super D System D-Sub Backshells



SDH Series For Metal Shell Connectors

- Cinch Super D interconnection system is a simple, fast, economical, and reliable for mating connectors from cable-to-cable or cable-to-panel
- Snap on plastic hoods captivate connectors providing positive self-latching, audible mating w/ reliable retention & Latch-N-Lok™ quick release disconnect
- For any standard shell IDC, solder cup, crimp & poke type D-Sub connectors
- Includes stay band to strain relief cable wire
- Hood: modified phenylene oxide (black for metal, gray for plastic) • Latch lock: diecast zinc
- Screws: for latching blocks: steel w/ nickel plating
- Stay band: steel w/ zinc plating & clear chromate

Straight (180°) Cable Entry (Black)

Filler Ends, Standard Cable Opening

Part No.	Product No.	Positions	1	25
447056CG	SDH-9BF▲	9	\$2.09	\$1.54
447064CG	SDH-15BF▲	15	1.25	1.15

Filler Ends w/ 4-40 Screws, Standard Cable Opening

Part No.	Product No.	Positions	1	25
447030CG	SDH-9BFC▲	9	\$2.09	\$1.54
447048CG	SDH-15BFC▲	15	2.09	1.87

Latches, Standard, Candle Opening

Part No.	Product No.	Positions	1	25
446951CG	SDH-9BL▲	9	\$1.31	\$1.19
446969CG	SDH-15BL▲	15	2.55	1.91
446977CG	SDH-25BL▲	25	1.59	1.43
446985CG	SDH-37BL▲	37	1.59	1.44

Latches, Large Cable Opening

Part No.	Product No.	Positions	1	25
446993CG	SDH-25BLL▲	25	\$3.55	\$3.36

Right Angle (90°) Cable Entry (Black)

Latches, Standard Cable Opening

Part No.	Product No.	Positions	1	25
447005CG	SDH-9RBL▲	9	\$3.99	\$3.75
447013CG	SDH-25RBL▲	25	3.45	3.25

Latches, Large Cable Opening

Part No.	Product No.	Positions	1	25
447021CG	SDH-25RBLL▲	25	\$3.75	\$3.53

SDH Series For Plastic Connectors (Gray)

- Fits only T-series all plastic IDC connectors
- Straight (180°) Cable Entry (grey) Backshell for Plastic Connectors

Latches, Standard Cable Opening

Part No.	Product No.	Positions	1	25
446942CG	SDH-9GL	9	\$1.79	\$1.71

Latching Blocks for Super D Adapter System

- 444867CG: Latching block w/ SEM screw (0.060" – 0.080" panel thickness)
- 444875CG: Latching block w/ SEM screw (0.080" – 0.125" panel thickness)

Part No.	Product No.	1	25
448593CG	SD-LB▲	\$0.59	\$0.545
444867CG	SD-LB-060-080▲	1.44	1.32
444875CG	SD-LB-125▲	1.45	1.33

Cinch

Male Screwlocks

- For junction shells and standard backshells
- Length: 0.250" (444541CG: per mil spec)

Part No.	Product No.	For use with	1	25
444592CG	D20419-0▲	Std backshell plug 9/15; socket 9/15/25/37	\$0.29	\$0.279
444605CG	D24019-16▲	Junction shell socket 9/15/25/37 & std backshell plug 25/37	.55	.492
444621CG	D20420-0▲	Standard shell 50	.49	.443
444541CG	M24308/25-9F▲	Std backshell plug/socket 9/15/25/37	3.79	3.60

Female Screwlocks

- Military MIL-C-24308

- Length: per mil spec

Part No.	Product No.	For use with	1	25
444955CG	M24308/26-1F▲	Std backshell plug/socket 9/15/25/37/50	\$0.59	\$0.55
444939CG	M24308/26-2F▲	Std backshell plug/socket 9/15/25/37/50	.85	.79

Cinch

D-Sub Dust Caps

Dust Caps

- For use with Cinch D-Sub connectors
- Protects connector contacts when not mated
- Material: polyethylene, black



Part No.	Product No.	Std. Density	Gender	1	25
448411CG	DE-59-20▲	9	Socket ..	\$1.38	\$1.25
448403CG	DE-60-20▲	9	Plug	1.38	1.25
448420CG	DA-59-20▲	15	Socket	1.37	1.25
448374CG	DA-60-20▲	15	Plug	1.37	1.25
448391CG	DB-59-20▲	25	Socket	1.34	1.22
448382CG	DB-60-20▲	25	Plug .....	.89	.85
448585CG	DD-60-20▲	50	Plug	1.35	1.25

Cinch

D-Sub Slidelock Assemblies

- Compatible w/ all Cinch backshell, hoods, & junction shells (except DxH/SHD/Phenolic Hood series)
- Compatible w/ all Cinch metal shell D-Sub connectors
- Slidelock plate: stainless steel, passivated
- Slidelock hex nut, washer, & 4-40 screw: steel w/ zinc plating, yellow chromate finish
- Lockpost, washer, lockwasher, & hex nut: steel w/ zinc plating, yellow chromate finish
- 444921CG: Standard density: requires two on each slide lock assembly



Lock Retainers

Part No.	Product No.	Std. Density Pins	1	25
444584CG	DE-51224-1▲	9	\$1.99	\$1.47
444568CG	DA-51220-1▲	15	1.15	1.09
444576CG	DB-51221-1▲	25	1.27	1.19
444963CG	DD-51223-1▲	50	.99	.91
444921CG	D53018▲	—	.49	.427

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions.

Just call us! 1-800-831-4242

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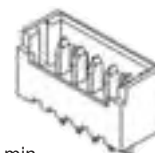
D-Sub Hardware



.049" (1.25mm) Shrouded Vertical Headers

53047 Series Value Equivalence

- Wire to board
- Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- UL94V-0 rated
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyimide (Nylon) 6/6
- Contact material: phosphor bronze
- Contact and tail plating: tin



Part No.	Cross Ref. No.	Circuits	1	10	100
420339CG	53047-0210	2	\$.33	\$0.268	\$0.192
420347CG	53047-0310	3	.37	.325	.235
420355CG	53047-0410	4	.47	.388	.28
420363CG	53047-0510	5	.57	.474	.336
420371CG	53047-0610	6	.65	.511	.369
420380CG	53047-0710	7	.67	.60	.43
420398CG	53047-0810	8	.72	.63	.456
420401CG	53047-0910	9	.80	.70	.501
420419CG	53047-1010	10	.88	.76	.547



.049" (1.25mm) Shrouded Right Angle Headers

53048 Series Value Equivalence

- Wire to Board
- Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- UL94V-0 rated
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyimide (Nylon) 6/6
- Contact material: phosphor bronze
- Contact plating: tin
- Pin size: blade




Part No.	Cross Ref. No.	Circuits	1	10	100
420427CG	53048-0210	2	\$.35	\$0.314	\$0.216
420435CG	53048-0310	3	.43	.383	.264
420443CG	53048-0410	4	.50	.433	.313
420451CG	53048-0510	5	.59	.545	.392
420460CG	53048-0610	6	.64	.56	.403
420478CG	53048-0710	7	.63	.54	.391
420486CG	53048-0810	8	.79	.68	.493
420494CG	53048-0910	9	.88	.75	.539
420507CG	53048-1010	10	.98	.94	.63

JAMECO ValuePro

.049" (1.25mm) Pitch Housing

51021 Series Value Equivalence

- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.



420321CG

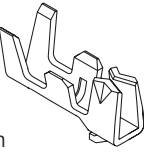
Part No.	Cross Ref. No.	Circuits	1	10	100
420241CG	51021-0200	2	... .23	\$.178	\$.123
420259CG	51021-0300	3	... .23	.217	.157
420267CG	51021-0400	4	... .25	.233	.168
420275CG	51021-0500	5	... .29	.26	.216
420283CG	51021-0600	6	... .32	.268	.21
420291CG	51021-0700	7	... .36	.308	.244
420304CG	51021-0800	8	... .39	.34	.254
420312CG	51021-0900	9	... .42	.363	.296
420321CG	51021-1000	10	... .45	.387	.304

molex

.049" (1.25mm) Pitch Crimp Terminals

For 51021 Series Value Equivalence

- Female crimp pins
- 668457CG: 26-28AWG;
- 668473CG: 28-32AWG
- Contact material: phosphor bronze
- Pre-plated
- Plating contact: 0.9um (35μ) tin



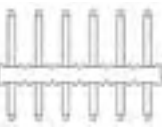
Part No.	Product No.	1	10	100	500
668457CG	50079-8100	... .20	\$.113	\$.107	\$.10
668473CG	50058-8100	... .20	.113	.107	.10

JAMECO ValuePro

.079" (2.0mm) Dual Row Vertical Headers

87758 Series Value Equivalence

- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.



378581CG


Part No.	Cross Ref. No.	Circuits	1	10	100
378521CG	87758-0416	4	... .35	\$.292	\$.24
378530CG	87758-0616	6	... .67	.57	.418
378548CG	87758-0816	8	... .68	.57	.464
378556CG	87758-1016	10	... .58	.489	.40
378564CG	87758-1216	12	... .72	.61	.496
378572CG	87758-1416	14	... .75	.63	.512
378581CG	87758-1616	16	... .78	.66	.528
378599CG	87758-1816	18	... .89	.74	.60
378601CG	87758-2016	20	... 1.15	.96	.78
378610CG	87758-2216	22	.. 1.16	.98	.79
378628CG	87758-2416	24	.. 1.19	1.00	.81
378636CG	87758-2616	26	.. 1.39	1.18	.96
378652CG	87758-3016	30	.. 1.49	1.26	1.02
378708CG	87758-4016	40	.. 1.89	1.60	1.30
378724CG	87758-4416	44	.. 2.09	1.76	1.42
378759CG	87758-5016	50	.. 2.09	1.80	1.46

JAMECO ValuePro

.079" (2.0mm) Pitch Milli-Grid Right Angle Headers

87760 Series Value Equivalence

- Current rating: 2A
- Voltage rating: 125V
- Under plating: nickel
- UL94V-0 rated
- Withstanding voltage: 500VAC
- Contact Resistance: 25mΩ max.
- Insulation resistance: 1000MΩ
- Housing material: PCT Polyester, glass filled
- Contact: Phosphor bronze
- Contact plating: 0.38um (15μ) gold selective
- Plating tail: 1.9um (75μ) tin
- Pin size: 0.50mm (0.20") square



378804CG

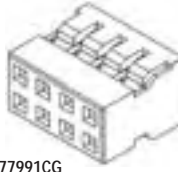
Part No.	Cross Ref. No.	Circuits	1	10	100
378775CG	87760-0616	6	... .46	\$.435	\$.343
378783CG	87760-0816	8	... .49	.418	.336
378804CG	87760-1216	12	... .72	.61	.496
378812CG	87760-1416	14	... .76	.64	.52
378821CG	87760-1616	16	.. 1.06	.90	.72
378839CG	87760-1816	18	... .91	.79	.62
378847CG	87760-2016	20	... .91	.79	.62

JAMECO ValuePro

.079" (2.0mm) Pitch Milli-Grid Housing

51110 Series Value Equivalence

- Housing: polyester, glass filled
- Temperature: -55°C to +105°C
- Vertical wire entry angle
- Dual row



377991CG

Part No.	Cross Ref. No.	Circuits	1	10	100
377975CG	51110-0450	4	... .25	\$.158	\$.128
377983CG	51110-0650	6	... .26	.166	.16
377991CG	51110-0850	8	... .27	.173	.143
378003CG	51110-1050	10	... .29	.19	.152
378011CG	51110-1250	12	... .31	.197	.184
378020CG	51110-1450	14	... .36	.284	.256
378038CG	51110-1650	16	... .44	.276	.224
378046CG	51110-1850	18	... .47	.30	.24
378054CG	51110-2050	20	... .52	.331	.272
378062CG	51110-2250	22	... .68	.61	.408
378071CG	51110-2450	24	... .63	.402	.32
378089CG	51110-2650	26	... .68	.426	.40
378097CG	51110-2850	28	... .75	.466	.376
378100CG	51110-3050	30	... .79	.497	.40

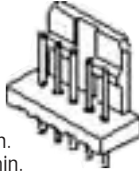
w/ Polarizing Key

Part No.	Cross Ref. No.	Circuits	1	10	100
378142CG	51110-0851	8	... .28	\$.173	\$.144
378151CG	51110-1051	10	... .30	.189	.152
378169CG	51110-1251	12	... .31	.197	.16
378177CG	51110-1451	14	... .37	.229	.184
378185CG	51110-0851	16	... .44	.276	.224
378193CG	51110-1051	18	... .57	.505	.344
378206CG	51110-0851	20	... .63	.55	.376
378214CG	51110-0851	22	... .68	.61	.408
378222CG	51110-0851	24	... .74	.66	.44
378231CG	51110-0851	26	... .75	.71	.522
378249CG	51110-0851	28	... .77	.466	.376
378257CG	51110-0851	30	... .90	.529	.352

molex

.079" (2.00mm) Pitch Micro SPOX™ Headers

- Wire to Board
- Single row
- Current: 1A
- UL94V-0 Rated
- Voltage rating: 125V
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.
- Withstanding voltage: 500VAC/1 min.
- Housing: PA Polyamide (nylon) 6/6
- Contact: brass, tin plated, copper underplating



Blue Part No. = Limited Quantity Available

Vertical with Friction Lock


Part No.	Product No.	Positions	1	10	100
520786CG	10-32-1023	2	... .30	\$.283	\$.269
520858CG	10-32-1033	3	... .36	.345	.328
520866CG	10-32-1043	4	... .43	.405	.385
520882CG	10-32-1063	6	... .56	.534	.508
520891CG	10-32-1073	7	... .62	.59	.56
520903CG	10-32-1083	8	... .62	.60	.59

molex

Milli-Grid™ Crimp Terminal

For 51110 Series Value Equivalence

- Female crimp pin
- Lead free
- 24-30AWG
- Contact material: phosphor bronze
- Plating contact: 0.38um (15μ) gold
- Under plating: nickel



Part No.	Product No.	1	10	100	500
668465CG	50394-8100	... \$2.20	\$.103	\$.095	\$.086


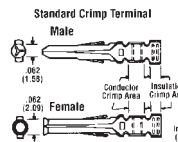
molex

.062" Power Connector Kit

This assortment kit contains mating sets of housings and pins.

- Voltage: 250VAC
- Current: 5A
- Temperature range: -40°C to +105°C

Includes: 3 ea. 2-pin plugs and 2-pin receptacles, 8 ea. male contacts and 8 ea. female contacts.



Part No.	Product No.	Description	1	10	50
142113CG	1625-2	Kit	... \$5.69	\$5.15	\$4.59

30-Day Money-Back Guarantee



If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



.062" (1.57mm) & .093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Minimum order 10 pieces
- Tin plating

Crimp-Type Contacts



.062" (1.57mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224565CG	02-06-2103	M	18-24	\$.18	\$.057	\$.038
224581CG	02-06-2132	M	24-30	.18	.057	.038
224557CG	02-06-1103	F	18-24	.18	.057	.038
224573CG	02-06-1132	F	24-30	.18	.057	.038

.093" (2.36mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224207CG	02-09-2118	M	18-22	\$.19	\$.06	\$.04
224223CG	02-09-2103	M	14-20	.18	.059	.04
224215CG	02-09-1119	F	18-22	.20	.07	.04
224231CG	02-09-1104	F	14-20	.18	.059	.042

Solder-Tail Contacts



.062" (1.57mm)

Part No.	Product No.	Gender	10	100	1000
227379CG	02-06-8103	Male	\$.18	\$.11	\$.066
227387CG	02-06-7103	Female	.18	.11	.066

.093" (2.36mm)

Part No.	Product No.	Gender	10	100	1000
224240CG	02-09-2133	Male	\$.149	\$.129	\$.097
224258CG	02-09-1134	Female	.20	.14	.09

To Find Additional Products In This Series,
Visit www.Jameco.com/Prod/Molex093



.093" Power Connector Kits

These assortment kits contain mating sets of housings and pins.

- Voltage: 250VAC
- Temperature range: -40°C to +105°C

142181CG: • 3 ea. 2-pin plugs & receptacles,
8 ea. female & male contacts • Current: 12A

142201CG: • 2 ea. 4-pin plugs & receptacles,
10 ea. female & male contacts • Current: 9A

142228CG: • 2 ea. 6-pin plugs & receptacles,
14 ea. female & male contacts • Current: 9A

Includes: Male and female tin-plated standard brass
.010" pins; 18-22 AWG crimp size wire

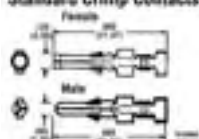
Receptacle

Plug

Standard Crimp Contacts



142228CG



Part No.	Product No.	Description	1	10	50
142181CG	1545	2-pin kit	\$4.95	\$4.49	\$3.95
142201CG	1490	4-pin kit	5.69	5.15	4.65
142228CG	1261	6-pin kit	5.25	4.75	3.95

.062" (1.57mm) Power Connectors

- Passive friction lock
- Voltage: 250V
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C
- Housing: nylon; UL94V-2
- Current: 5.0A

Plugs



224485CG

230009CG

230084CG

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224477CG	03-06-2011	1	\$.29	\$.16	\$.13
224485CG	03-06-2023	2	.30	.18	.15
224493CG	03-06-2032	3	.31	.19	.16
224506CG	03-06-2042	4	.22	.205	.153
224514CG	03-06-2044	4	.39	.27	.24
230244CG	03-06-2055	5	.47	.26	.24
224522CG	03-06-2061	6	.45	.28	.25
224531CG	03-06-2092	9	.49	.27	.24
224549CG	03-06-2122	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229948CG	03-06-2024	2	\$.30	\$.17	\$.14
229964CG	03-06-2033	3	.35	.18	.15
229981CG	03-06-2041	4	.23	.216	.162
230009CG	03-06-2043	4	.47	.26	.24
230025CG	03-06-2054	5	.25	.235	.184
230041CG	03-06-2062	6	.47	.26	.24
230068CG	03-06-2091	9	.47	.26	.24
230084CG	03-06-2121	12	.55	.29	.26

*In-line **Grid

Receptacles



230252CG

229956CG

230092CG

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224397CG	03-06-1011	1	\$.089	\$.067	
224400CG	03-06-1023	2	.30	.18	.135
224418CG	03-06-1032	3	.31	.19	.16
224426CG	03-06-1042	4	.35	.27	.203
224434CG	03-06-1044	4	.39	.27	.24
230252CG	03-06-1056	5	.36	.333	.249
224442CG	03-06-1062	6	.45	.28	.25
224451CG	03-06-1092	9	.32	.294	.22
224469CG	03-06-1122	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229956CG	03-06-1022	2	\$.31	\$.16	\$.14
229972CG	03-06-1038	3	.30	.15	.112
229999CG	03-06-1041	4	.23	.216	.162
230017CG	03-06-1043	4	.49	.26	.23
230033CG	03-06-1055	5	.38	.36	.27
230050CG	03-06-1061	6	.47	.26	.23
230076CG	03-06-1091	9	.35	.325	.243
230092CG	03-06-1121	12	.49	.33	.30

*In-line **Grid

To Find Additional Products In This Series,
Visit www.Jameco.com/Prod/Molex062

.093" (2.36mm) Power Connectors

- Passive friction lock
- Voltage: 250V
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C
- Housing: nylon; UL94V-2
- Current: 12A per circuit

Plugs



229825CG

230261CG

230181CG

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224063CG	03-09-2011	1	\$.094	\$.07	
224071CG	03-09-2022	2	.30	.25	.18
224080CG	03-09-2032	3	.41	.32	.21
224098CG	03-09-2042	4	.45	.22	.20
229825CG	03-09-2049	4	.46	.34	.255
230261CG	03-09-2057	5	.49	.30	.225
224101CG	03-09-2062	6	.49	.39	.29
224119CG	03-09-2092	9	.20	.197	.148
224127CG	03-09-2121	12	.69	.59	.39
462432CG	03-09-2151	15	\$.59	.485	
462441CG	03-09-2158	15	\$.58	.54	

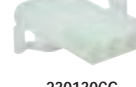
*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230105CG	03-09-2021	2	\$.35	\$.18	\$.16
230121CG	03-09-2031	3	.30	.282	.212
230148CG	03-09-2041	4	.42	.22	.20
230164CG	03-09-2040	4	\$.64	.41	.349
230181CG	03-09-2061	6	.35	.33	.25
230201CG	03-09-2091	9	.49	.357	.267
230228CG	03-09-2122	12	.71	.38	.35
462459CG	03-09-2159	15	\$.72	.62	

*In-line **Grid

Receptacles



229817CG

230130CG

230199CG

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224135CG	03-09-1011	1	\$.29	\$.20	\$.097
224143CG	03-09-1022	2	.30	.25	.18
224151CG	03-09-1032	3	.44	.25	.16
224160CG	03-09-1042	4	.46	.25	.22
229817CG	03-09-1049	4	.46	.33	.248
230279CG	03-09-1057	5	.48	.41	.31
224178CG	03-09-1064	6	.49	.23	.20
224186CG	03-09-1091	9	.69	.59	.39
224194CG	03-09-1126	12	.65	.61	.457

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113CG	03-09-1027	2	\$.35	\$.17	\$.15
230130CG	03-09-1081	3	.48	.24	.22
230156CG	03-09-1041	4	.40	.23	.17
230172CG	03-09-1040	4	.42	.25	.20
230199CG	03-09-1061	6	.30	.26	.195
230210CG	03-09-1091	9	.49	.338	.254
230236CG	03-09-1125	12	.55	.47	.352

*In-line **Grid

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Products In This Series,
Visit www.Jameco.com/Prod/Molex093

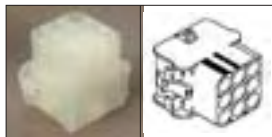
.084" (2.13mm) Pin and Socket Connectors

.084" Molex 42002/42021/42022 Series Value Equivalents

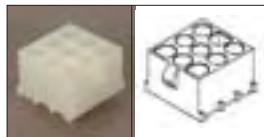
- Intermateable, interchangeable, and intermountable with industry-standard versions
- Positive locks
- Circuit ID grooves to reduce assembly errors
- Material: Nylon 94V-2, white
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)
- Fully isolated contacts
- Anti-stress positioning tabs to reduce breakage
- Operating temp: -55°C to +105°C
- Contact resistance: 3.5mΩ max.
- Plating: tin
- Voltage: 600V



379284CG
(Fig. 1)



379356CG
(Fig. 2)



379461CG
(Fig. 3)

Plugs (Fig. 1)

42021 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379241CG	50-84-1020	1 x 2	13.5	\$.20	\$.142	\$.107
379250CG	50-84-1030	1 x 3	13.5	.21	.158	.136
379268CG	50-84-1040	1 x 4	13.5	.25	.19	.16
379276CG	50-84-1060	2 x 3	11	....27	.205	.154
379284CG	50-84-1090	3 x 3	11	....28	.221	.166
379292CG	50-84-1120	3 x 4	11	....34	.261	.196
379305CG	50-84-1120	3 x 5	11	....37	.285	.214

* Grid layout is rows x columns

Receptacles (Fig. 2)

42022 Series Value Equivalents

- Mates with series 42021 plugs

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379313CG	50-84-2020	1 x 2	13.5	\$.20	\$.142	\$.106
379321CG	50-84-2030	1 x 3	13.5	.21	.158	.119
379330CG	50-84-2040	1 x 4	13.5	.25	.19	.16
379348CG	50-84-2060	2 x 3	11	....27	.205	.154
379356CG	50-84-2090	3 x 3	11	....28	.221	.166
379364CG	50-84-2120	3 x 4	11	....34	.261	.196
379372CG	50-84-2150	3 x 5	11	....37	.285	.214

* Grid layout is rows x columns

Vertical Male Headers (Fig. 3)

42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379381CG	10-84-4020	1 x 2	13.5	\$.45	\$.332	\$.249
379401CG	10-84-4030	1 x 3	13.5	.58	.458	.40
379428CG	10-84-4040	1 x 4	13.5	.60	.45	.337
379444CG	10-84-4060	2 x 3	11	....70	.62	.45
379461CG	10-84-4090	3 x 3	11	....72	.64	.48
379487CG	10-84-4120	3 x 4	11	....83	.71	.52
379508CG	10-84-4150	3 x 5	11	1.05	.77	.57

* Grid layout is rows x columns

Vertical Female Headers (Fig. 3)

42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379399CG	10-84-4022	1 x 2	13.5	\$.24	\$.19	\$.143
379410CG	10-84-4032	1 x 3	13.5	.25	.213	.16
379436CG	10-84-4042	1 x 4	13.5	.41	.32	.24
379452CG	10-84-4062	2 x 3	11	....62	.47	.35
379479CG	10-84-4092	3 x 3	11	....63	.55	.382
379495CG	10-84-4122	3 x 4	11	....80	.67	.50
379516CG	10-84-4152	3 x 5	11	....99	.73	.55

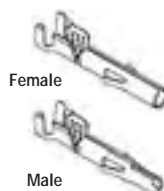
* Grid layout is rows x columns

Contacts

Type**

- 1: Female
 - 2: Male
- A: Brass
 B: Phosphor bronze
 C: Brass standard insertion
 D: Brass low insertion

- Minimum order 10 pieces



Part No.	Cross Ref. No.	AWG	Type*	10	100	500
401314CG	71T-D224-LP	12-14	1A	\$.075	\$.062	\$.047
401331CG	71T-D524-LP	12-14	1B	.. .07	.067	.05
379524CG	71T-5224-LP	16-20	1A	.. .075	.062	.047
379532CG	71T-5524-LP	16-20	1B	.. .07	.067	.064
401306CG	71T-S224-LP	18-22	1A	.. .075	.062	.047
401322CG	71T-S524-LP	18-22	1B	.. .07	.067	.05
401357CG	70T-D214-LP	12-14	2A	.. .073	.066	.05
401373CG	70T-D214-LP	12-14	2D	.. .073	.066	.05
379541CG	70T-S214-LP	16-20	2C	.. .073	.066	.05
398784CG	70T-S214-LP	16-20	2C	.. .073	.066	.05
401349CG	70T-S214-LP	18-22	2A	.. .073	.066	.05
401365CG	70T-S214-LP	18-22	2D	.. .073	.066	.051

† For 6-15 circuit connectors Ⓢ Blue Part No. = Limited Quantity

Hand Crimp Tools

These tools are designed to crimp terminals, strip and cut wires, and cut bolts. For Molex crimp pin terminals with .062", .093" diameters and KK® series on page 137.



308030CG: Cuts & strips 14-24 AWG wires



227491CG: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030CG	W-HT-1919	8.3"L	Red	\$14.99	\$13.99
227491CG	W-HT-1921	8.3"L	Yellow	14.99	13.99

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See pages 132 and 147 for crimp pins



131887CG: Male tool for 42729CG

131879CG: Female tool for 42650CG

Part No.	Product No.	1	10
131887CG	HT319C	\$10.95	\$8.21
131879CG	HT319B	11.29	8.47

MLX Series .084" (2.13mm) Power Connectors

- Intermateable, intermountable, and interchangeable with industry standard versions
- Positive locks
- PCB vertical header
- Fully isolated contacts
- Voltage rating: 600V
- Contact resistance: 3.5mΩ max.
- Dielectric withstanding voltage: 2900V
- Insulation resistance: 1000MΩ min.
- Header contacts: phosphor bronze with tin plating
- Operating temperature: -55°C to +105°C



522280CG

Socket Housing (Red, polyester, 94V-0 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522327CG	10-84-4023	13.5	2	1 x 2	.. \$22	\$.209
522335CG	10-84-4043	13.5	4	1 x 4	....35	.338
522343CG	10-84-4063	11.0	6	2 x 3	....54	.516
522351CG	10-84-4093	11.0	9	3 x 3	....79	.75

Socket Housing (White, nylon 6/6, 94V-2 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522431CG	10-84-4042	13.5	4	1 x 4	.. \$33	\$.314
522271CG	10-84-4062	11.0	6	2 x 3	....50	.475
522280CG	10-84-4092	11.0	9	3 x 3	....68	.63
522255CG	10-84-4122	11.0	12	3 x 4	....93	.89
522263CG	10-84-4152	11.0	15	3 x 5	.. 1.20	1.11

Socket Housing (Red, 94V-0 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522298CG	10-84-4127	11.0*	12	3 x 4	\$2.29	\$2.17

* Pins: 30m" select gold

Socket Housing (White, polyester, 94V-0 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522386CG	10-84-5021	13.5	2	1 x 2	.. \$24	\$.221
522394CG	10-84-5031	13.5	3	1 x 3	....65	.62
522407CG	10-84-5041	13.5	4	1 x 4	....79	.75
522415CG	10-84-5061	11.0	6	2 x 3	....75	.70
522423CG	10-84-5091	11.0	9	3 x 3	....75	.71
522360CG	10-94-5121	11.0	12	3 x 4	.. 1.35	1.30
522378CG	10-84-5151	11.0	15	3 x 5	.. 1.29	1.24

Connector Extraction Tools



Part No.	Product No.	AWG	1	10
142156CG	W-HT-2285	18-30	\$14.49	\$13.49
227467CG	W-HT-2023	18-30	11.99	10.99
142236CG	W-HT-2038	14-30	14.49	13.49
227395CG	W-HT-2054	14-30	11.99	10.99
236128CG	W-HT-1884	22-30	9.99	8.99
234940CG	11-03-0022	22-30	14.99	12.99

⚡ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

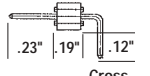


JAMECO ValuePro

.100" (2.54mm) Male Solid Headers (Gold)

- Solder to PC boards for instant plug-in access via shorting blocks, right
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 148
- Snap apart to fit your application
- Temperature range: -55°C to +120°C
- Contact area: gold
- Current rating: 1 amp

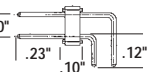

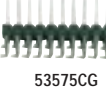
*Minimum order 10 pieces

.100" Right Angle Single Row Male Headers

Part No.	Cross Ref. No.	Contacts	1	10	100	1000	
153728CG	RMH08	8	.....	\$.45	\$.40	\$.30	\$.25
103270CG	RMH36	36	.....	.75	.64	.58	.41

.100" Right Angle Double Row Male Headers

Part No.	Ref. No.	Contacts	1	10	100	1000
203908CG	923804DR	4	.....	\$.38	\$.34	\$.27 \$.20
203916CG	923806DR	6	.....	.49	.44	.30 .24
203924CG	923808DR	8	.....	.49	.44	.35 .26
203932CG	923810DR	10	.....	.59	.53	.48 .39
203941CG	923812DR	12	.....	.59	.53	.42 .31
203959CG	923814DR	14	.....	.65	.58	.47 .34
203967CG	923816DR	16	.....	.65	.59	.53 .43
203975CG	923818DR	18	.....	.75	.68	.59 .43
53575CG	923820DR	20	.....	.65	.59	.53 .47
203983CG	923822DR	22	.....	.65	.58	.47 .34
203991CG	923824DR	24	.....	.65	.58	.47 .34
53584CG	923826DR	26	.....	.69	.62	.51 .36
204003CG	923828DR	28	.....	.69	.62	.50 .37
204011CG	923830DR	30	.....	.75	.68	.54 .40
204020CG	923832DR	32	.....	.75	.68	.54 .40
204038CG	923834DR	34	.....	.85	.76	.61 .46
204046CG	923836DR	36	.....	.75	.68	.61 .50
204054CG	923838DR	38	.....	.75	.68	.54 .40
53604CG	923840DR	40	.....	.85	.75	.57 .50
53612CG	923850DR	50	.....	.85	.75	.57 .50
103413CG	923872DR	72	.....	1.15	.99	.89 .75
139563CG	923880DR	80	.....	1.35	1.19	1.09 .99

.100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Mate with male headers, left
- Pin material: phosphor bronze

Open: open on top to allow for a test point

Closed: closed top

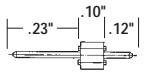


119264CG: 2mm (for disk drives)

Blue Part No. = Limited Quantity Available

Minimum order 10 pieces

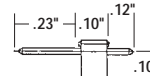
Part No.	Description	10	100	1000
22023CG	Top open, black (.100")	\$.12	\$.09	\$.06
119264CG	Top open, black (2mm)	.15	.13	.096
112424CG	Top open, blue (.100")	.133	.099	.067
112416CG	Top open, red (.100")	.12	.09	.06
19140CG	Top closed, black (.100")	.12	.09	.06
112441CG	Top closed, blue (.100")	.12	.09	.06
112432CG	Top closed, red (.100")	.20	.18	.12
152670CG	Top closed, black (.100")	.19	.15	.12

.100" Straight Single Row Male Headers

Part No.	Ref. No.	Contacts	1	10	100	1000
108337CG	SMH02	2	..... *	\$ .16	.14	\$.13
109575CG	SMH03	3	..... *	.17	.15	.135
117559CG	SMH04	4	..... *	.17	.15	.135
153700CG	SMH06	6	..... *	.17	.15	.135
153701CG	SMH08	8	..... *	.20	.17	.15
103392CG	SMH10	10	..... *	.18	.14	.10
103376CG	SMH17	17	..... *	.16	.14	.13
103368CG	SMH20	20	..... *	.25	.23	.21
202825CG	SMH22	22	..... *	.25	.233	.21
103351CG	SMH25	25	..... *	.25	.21	.16
103341CG	SMH30	30	..... .35	.31	.28	.25
68339CG	SMH36	36	..... .42	.38	.34	.29
160881CG	SMH40	40	..... .49	.44	.40	.36

.100" Straight Double Row Male Headers



Part No.	Ref. No.	Contacts	1	10	100	1000
115027CG	923804DS	4	..... *	\$.10	\$.09	\$.07
115035CG	923806DS	6	..... .23	.18	.16	.14
109516CG	923808DS	8	..... .23	.18	.16	.14
67820CG	923810DS	10	..... .23	.18	.16	.14
203810CG	923812DS	12	..... .60	.55	.49	.44
118455CG	923814DS	14	..... .45	.40	.36	.33
109567CG	923816DS	16	..... .55	.49	.45	.39
203828CG	923818DS	18	..... .65	.59	.55	.47
53479CG	923820DS	20	..... .59	.55	.48	.43
203836CG	923822DS	22	..... .70	.63	.50	.38
203844CG	923824DS	24	..... .70	.65	.59	.49
203852CG	923828DS	28	..... .75	.69	.55	.39
203879CG	923830DS	30	..... .75	.69	.61	.50
203861CG	923832DS	32	..... .75	.68	.54	.40
53516CG	923834DS	34	..... .75	.69	.61	.55
203887CG	923836DS	36	..... .99	.89	.79	.43
203895CG	923838DS	38	..... .89	.80	.72	.54
53560CG	923850DS	50	..... .60	.55	.49	.45
68574CG	923860DS	60	..... .70	.65	.59	.55
103405CG	923872DS	72	..... .85	.75	.69	.59
117196CG	923880DS	80	..... .90	.80	.75	.65

Other Manufacturers — Great Deals

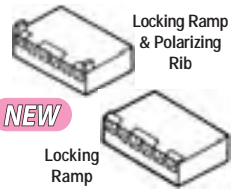
53495CG	923826DS	26	.....	\$.32	\$.29	\$.23	\$.18
53532CG	923840DS	40	.....	.59	.53	.42	.31

Blue Part No. = Limited Quantity Available

JAMECO ValuePro

.100" (2.54mm) Pitch Crimp Terminal Housing

- Current rating: 3A DC
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,000VAC/minute
- Housing: nylon 6/6, UL94V-0
- Operating temp.: -40°C to +105°C



With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos.	1	10	25
675850CG	22-01-3027	2	.....\$.20	\$.137	\$.111
675868CG	22-01-3037	3	......21	.182	.163
675876CG	22-01-3047	4	......20	.111	.105
675884CG	22-01-3057	5	......30	.269	.255
675892CG	22-01-3067	6	......35	.308	.293
675905CG	22-01-3077	7	......31	.292	.269
675913CG	22-01-3087	8	......46	.403	.383
675921CG	22-01-3097	9	......45	.425	.397
675930CG	22-01-3107	10	......42	.395	.369
675948CG	22-01-3117	11	......59	.528	.513
675956CG	22-01-3127	12	......50	.463	.431

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
676174CG	22-01-2027R	2	.....\$.20	\$.117	\$.093
676182CG	22-01-2037R	3	......20	.174	.143
676191CG	22-01-2047R	4	......24	.205	.186
676203CG	22-01-2057R	5	......28	.185	.176
676211CG	22-01-2067R	6	......20	.153	.145
676220CG	22-01-2077R	7	......36	.323	.305
676238CG	22-01-2087R	8	......21	.201	.193
676246CG	22-01-2097R	9	......44	.392	.373
676254CG	22-01-2107R	10	......48	.427	.405
676262CG	22-01-2117R	11	......53	.472	.453
676271CG	22-01-2127R	12	......56	.498	.473

Crimp Terminals

- Current rating: 4A
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 50,000MΩ min.
- Withstanding voltage: 1,500VAC/minute
- Contact material: phosphor bronze
- Wire accommodation: 22-30 AWG
- Insulation range: 1.58mm (0.062") diameter max.

Part No.	Cross Ref. No.	Plating	1	10	25
676852CG	08-52-0123	Tin	..... \$.20	\$.048	\$.044
676895CG	08-65-0816	Gold	..... .20	.111	.109

Polarizing Key

- Plastic
- Polyester, UL94V-0, Natural

Part No.	Cross Ref. No.	1	10	25
676908CG	15-04-9209\$.20	\$.047	\$.044

Commercial Customers

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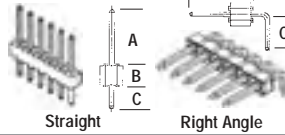
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JAMECO ValuePro

.100" (2.54mm) Male Breakaway Headers

- Voltage rating: 250VDC
- Contact resistance: 20mΩ initial max.
- Withstanding voltage: 500VAC/1 minute
- Housing: glass filled polyester, black (UL94V-0)
- Contact: 0.64mm (0.025") square
- Insulation resistance: 1,000MΩ min.
- Current rating: 3A

EXCLUSIVE



Tin Straight Single Row

• (A) .286"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685708CG	22-28-4022	2	.....	\$.20	\$.066
685716CG	22-28-4032	3	.....	.20	.119
685724CG	22-28-4042	4	.....	.20	.166
685732CG	22-28-4052	5	.....	.24	.225
685741CG	22-28-4062	6	.....	.28	.261
685759CG	22-28-4072	7	.....	.52	.427
685767CG	22-28-4082	8	.....	.33	.308
685775CG	22-28-4092	9	.....	.52	.482
685783CG	22-28-4102	10	.....	.37	.348
685791CG	22-28-4112	11	.....	.50	.482
685804CG	22-28-4122	12	.....	.37	.359

Tin Straight Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686188CG	22-28-4020	2	.....	\$.21	\$.182
686196CG	22-28-4030	3	.....	.20	.174
686209CG	22-28-4040	4	.....	.27	.245
686217CG	22-28-4050	5	.....	.31	.284
686225CG	22-28-4060	6	.....	.33	.284
686233CG	22-28-4070	7	.....	.33	.30
686241CG	22-28-4080	8	.....	.37	.332
686250CG	22-28-4090	9	.....	.43	.371
686268CG	22-28-4100	10	.....	.44	.379
686276CG	22-28-4360	36	.....	.90	.78

Gold Straight Single Row

• (A) .286"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685839CG	22-28-4025	2	.....	\$.41	\$.371
685847CG	22-28-4035	3	.....	.38	.362
685855CG	22-28-4045	4	.....	.73	.61
685863CG	22-28-4055	5	.....	.80	.78
685871CG	22-28-4065	6	.....	1.08	.96
685880CG	22-28-4075	7	.....	.81	.77
685898CG	22-28-4085	8	.....	1.36	1.21
685901CG	22-28-4095	9	.....	1.55	1.35
685919CG	22-28-4105	10	.....	1.69	1.50
685927CG	22-28-4115	11	.....	1.89	1.65
685935CG	22-28-4125	12	.....	1.99	1.78

Gold Straight Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686292CG	22-28-4023	2	.....	\$.20	\$.182
686305CG	22-28-4033	3	.....	.27	.245
686313CG	22-28-4043	4	.....	.28	.253
686321CG	22-28-4053	5	.....	.29	.261
686330CG	22-28-4063	6	.....	.29	.261
686348CG	22-28-4073	7	.....	.29	.261
686356CG	22-28-4083	8	.....	.30	.269
686364CG	22-28-4093	9	.....	.37	.34
686372CG	22-28-4103	10	.....	.37	.34
686381CG	22-28-4363	36	.....	1.31	1.03

We will be adding hundreds of new connectors in the coming months. Check www.Jameco.com frequently for all the newest additions.

Tin Right Angle Single Row

• (A) .309"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685960CG	22-28-6020	2	.....	\$.20	\$.143
685978CG	22-28-6030	3	.....	.22	.207
685986CG	22-28-6040	4	.....	.35	.338
685994CG	22-28-6050	5	.....	.38	.37
686006CG	22-28-6060	6	.....	.47	.453
686014CG	22-28-6070	7	.....	.54	.474
686022CG	22-28-6080	8	.....	.66	.64
686031CG	22-28-6090	9	.....	.50	.487
686049CG	22-28-6100	10	.....	.75	.72
686057CG	22-28-6110	11	.....	.55	.535
686065CG	22-28-6120	12	.....	.57	.521

Tin Right Angle Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686401CG	22-28-8020	2	.....	\$.23	\$.198
686410CG	22-28-8030	3	.....	.20	.182
686428CG	22-28-8040	4	.....	.31	.277
686436CG	22-28-8050	5	.....	.34	.30
686444CG	22-28-8060	6	.....	.34	.30
686452CG	22-28-8070	7	.....	.42	.379
686461CG	22-28-8080	8	.....	.42	.379
686479CG	22-28-8090	9	.....	.45	.348
686487CG	22-28-8100	10	.....	.38	.356
686495CG	22-28-8360	36	.....	1.29	1.02

Gold Right Angle Single Row

• (A) .309"; (B) .100"; (C) .118"

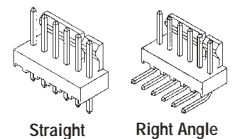
Part No.	Cross Ref. No.	Pos.	1	10	25
686073CG	22-28-6022	2	.....	\$.31	\$.297
686081CG	22-28-6032	3	.....	.51	.435
686090CG	22-28-6042	4	.....	.51	.49
686102CG	22-28-6052	5	.....	.82	.73
686111CG	22-28-6062	6	.....	.74	.72
686129CG	22-28-6072	7	.....	1.15	1.11
686137CG	22-28-6082	8	.....	.99	.91
686145CG	22-28-6092	9	.....	1.07	1.00
686153CG	22-28-6102	10	.....	1.24	1.06
686161CG	22-28-6112	11	.....	1.12	1.02
686170CG	22-28-6122	12	.....	1.27	1.03

JAMECO ValuePro

.100" (2.54mm) Pitch Solid Headers

- Voltage rating: 250VAC
- Contact material: brass, tin plated 0.025" square posts
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,000VAC/1 minute
- Current rating: 3A
- Contact resistance: 20mΩ max.

NEW



Straight with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
687957CG	22-23-2021	2	.....	\$.20	\$.142
687965CG	22-23-2031	3	.....	.21	.198
687973CG	22-23-2041	4	.....	.26	.252
687981CG	22-23-2051	5	.....	.31	.30
687990CG	22-23-2061	6	.....	.36	.344
688001CG	22-23-2071	7	.....	.31	.302
688028CG	22-23-2081	8	.....	.48	.468
688036CG	22-23-2091	9	.....	.53	.51
688044CG	22-23-2101	10	.....	.42	.403
688052CG	22-23-2111	11	.....	.60	.58
688061CG	22-23-2121	12	.....	.50	.481

Right Angle with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
688212CG	22-05-3021	2	.....	\$.33	\$.323
688211CG	22-05-3031	3	.....	.28	.27
688239CG	22-05-3041	4	.....	.36	.35
688247CG	22-05-3051	5	.....	.35	.33
688255CG	22-05-3061	6	.....	.51	.487
688263CG	22-05-3071	7	.....	.61	.59
688271CG	22-05-3081	8	.....	.46	.45
688280CG	22-05-3091	9	.....	.50	.49
688298CG	22-05-3101	10	.....	.76	.71
688301CG	22-05-3111	11	.....	.65	.63
688319CG	22-05-3121	12	.....	.59	.56

Receptacle, Bottom Entry

Part No.	Cross Ref. No.	Pos.	1	10	25
687359CG	22-14-2024	2	.....	\$.27	\$.237
687367CG	22-14-2034	3	.....	.27	.25
687375CG	22-14-2044	4	.....	.46	.411
687383CG	22-14-2054	5	.....	.56	.498
687391CG	22-14-2064	6	.....	.66	.58
687404CG	22-14-2074	7	.....	.75	.67
687412CG	22-14-2084	8	.....	.77	.71
687421CG	22-14-2094	9	.....	.73	.68
687439CG	22-14-2104	10	.....	.92	.85
687447CG	22-12-2114	11	.....	1.05	.98
687455CG	22-12-2124	12	.....	1.15	1.07

Receptacle, Top Entry with Hooks

Part No.	Cross Ref. No.	Pos.	1	10	25
688431CG	22-02-2025	2	.....	\$.20	\$.168
688440CG	22-02-2035	3	.....	.28	.25
688458CG	22-02-2045	4	.....	.37	.344
688466CG	22-02-2055	5	.....	.36	.331
688474CG	22-02-2065	6	.....	.58	.48
688482CG	22-02-2075	7	.....	.67	.60
688491CG	22-02-2085	8	.....	.74	.67
688503CG	22-02-2095	9	.....	.65	.60
688511CG	22-02-2105	10	.....	.78	.73
688520CG	22-02-2115	11	.....	1.02	.86
688538CG	22-02-2125	12	.....	1.11	.95

Lowest Price Guarantee

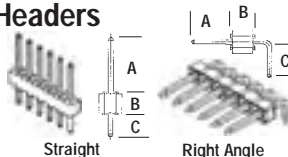
Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!



.100" (2.54mm) Male Breakaway Headers

- Voltage rating: 250VDC
- Insulation resistance: 1,000MΩ min.
- Contact resistance: 20mΩ initial max.
- Current rating: 3A
- Withstanding voltage: 500VAC/1 minute
- Housing: glass filled polyester, black (UL94V-0)
- Contact: 0.64mm (0.025") square

NEW



2556 Series Tin Straight Single Row

- (A) 0.240"; (B) 0.100"; (C) 0.125"

Part No.	Cross Ref. No.	Pos.	1	10	25
677038CG	2556P02TL62	2	.....\$ .20	.....\$ .066	.....\$ .063
677046CG	2556P03TL62	3	.....\$ .20	.....\$ .119	.....\$ .113
677054CG	2556P04TL62	4	.....\$ .20	.....\$ .166	.....\$ .158
677062CG	2556P05TL62	5	.....\$ .24	.....\$ .225	.....\$ .214
677071CG	2556P06TL62	6	.....\$ .28	.....\$ .261	.....\$ .249
677089CG	2556P07TL62	7	.....\$ .52	.....\$ .427	.....\$ .406
677097CG	2556P08TL62	8	.....\$ .33	.....\$ .308	.....\$ .298
677100CG	2556P09TL62	9	.....\$ .52	.....\$ .482	.....\$ .465
677118CG	2556P10TL62	10	.....\$ .37	.....\$ .348	.....\$ .339
677126CG	2556P11TL62	11	.....\$ .50	.....\$ .482	.....\$ .461
677134CG	2556P12TL62	12	.....\$ .37	.....\$ .359	.....\$ .343

2556 Series Tin Straight Single Row

- (A) 0.925"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
678971CG	2556P02TL58	2	.....\$ .21	.....\$ .182	.....\$ .173
678989CG	2556P03TL58	3	.....\$ .20	.....\$ .174	.....\$ .165
678997CG	2556P04TL58	4	.....\$ .27	.....\$ .245	.....\$ .233
679009CG	2556P05TL58	5	.....\$ .31	.....\$ .284	.....\$ .27
679017CG	2556P06TL58	6	.....\$ .33	.....\$ .284	.....\$ .27
679025CG	2556P07TL58	7	.....\$ .33	.....\$ .30	.....\$ .285
679033CG	2556P08TL58	8	.....\$ .37	.....\$ .332	.....\$ .315
679041CG	2556P09TL58	9	.....\$ .43	.....\$ .371	.....\$ .352
679050CG	2556P10TL58	10	.....\$ .44	.....\$ .379	.....\$ .36
679068CG	2556P36TL58	36	.....\$ .90	.....\$ .78	.....\$ .74

2556 Series Gold Straight Single Row

- (A) 0.286"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677142CG	2556P02WB00	2	.....\$ .41	.....\$ .371	.....\$ .353
677151CG	2556P03WB00	3	.....\$ .38	.....\$ .362	.....\$ .344
677169CG	2556P04WB00	4	.....\$ .73	.....\$ .61	.....\$ .58
677177CG	2556P05WB00	5	.....\$ .80	.....\$ .78	.....\$ .74
677185CG	2556P06WB00	6	.....\$ 1.08	.....\$ .96	.....\$ .91
677193CG	2556P07WB00	7	.....\$ .81	.....\$ .77	.....\$ .74
677206CG	2556P08WB00	8	.....\$ 1.36	.....\$ 1.21	.....\$ 1.16
677214CG	2556P09WB00	9	.....\$ 1.55	.....\$ 1.35	.....\$ 1.32
677222CG	2556P10WB00	10	.....\$ 1.69	.....\$ 1.50	.....\$ 1.47
677231CG	2556P11WB00	11	.....\$ 1.89	.....\$ 1.65	.....\$ 1.57
677249CG	2556P12WB00	12	.....\$ 1.99	.....\$ 1.78	.....\$ 1.75

2556 Series Gold Straight Single Row

- (A) 0.240"; (B) 0.100"; (C) 0.125"

Part No.	Cross Ref. No.	Pos.	1	10	25
679084CG	2556P02JL62	2	.....\$ .20	.....\$ .182	.....\$ .173
679092CG	2556P03JL62	3	.....\$ .27	.....\$ .245	.....\$ .233
679105CG	2556P04JL62	4	.....\$ .28	.....\$ .253	.....\$ .24
679113CG	2556P05JL62	5	.....\$ .29	.....\$ .261	.....\$ .248
679121CG	2556P06JL62	6	.....\$ .29	.....\$ .261	.....\$ .248
679130CG	2556P07JL62	7	.....\$ .29	.....\$ .261	.....\$ .248
679148CG	2556P08JL62	8	.....\$ .30	.....\$ .269	.....\$ .256
679156CG	2556P09JL62	9	.....\$ .37	.....\$ .34	.....\$ .323
679164CG	2556P10JL62	10	.....\$ .37	.....\$ .34	.....\$ .323
679172CG	2556P36JL62	36	.....\$ 1.31	.....\$ 1.03	.....\$ .98

Over 99% of Our Catalog
Products Are In Stock

2557 Series Tin Right Angle Single Row

- (A) 0.309"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677505CG	2557P02T000	2	.....\$ .20	.....\$ .143	.....\$ .135
677513CG	2557P03T000	3	.....\$ .22	.....\$ .207	.....\$ .196
677521CG	2557P04T000	4	.....\$ .35	.....\$ .338	.....\$ .325
677530CG	2557P05T000	5	.....\$ .38	.....\$ .37	.....\$ .354
677548CG	2557P06T000	6	.....\$ .47	.....\$ .453	.....\$ .431
677556CG	2557P07T000	7	.....\$ .54	.....\$ .474	.....\$ .461
677564CG	2557P08T000	8	.....\$ .66	.....\$ .64	.....\$ .61
677572CG	2557P09T000	9	.....\$ .50	.....\$ .487	.....\$ .466
677581CG	2557P10T000	10	.....\$ .75	.....\$ .72	.....\$ .69
677599CG	2557P11T000	11	.....\$ .55	.....\$ .535	.....\$ .512
677601CG	2557P12T000	12	.....\$ .57	.....\$ .521	.....\$ .51

2557 Series Tin Right Angle Single Row

- (A) 0.244"; (B) 0.100"; (C) 0.120"

Part No.	Cross Ref. No.	Pos.	1	10	25
679199CG	2567P02TL39	2	.....\$ .23	.....\$ .198	.....\$ .188
679201CG	2567P03TL39	3	.....\$ .20	.....\$ .182	.....\$ .173
679210CG	2567P04TL39	4	.....\$ .31	.....\$ .277	.....\$ .263
679228CG	2567P05TL39	5	.....\$ .34	.....\$ .30	.....\$ .285
679236CG	2567P06TL39	6	.....\$ .34	.....\$ .30	.....\$ .285
679244CG	2567P07TL39	7	.....\$ .42	.....\$ .379	.....\$ .36
679252CG	2567P08TL39	8	.....\$ .42	.....\$ .379	.....\$ .36
679261CG	2567P09TL39	9	.....\$ .45	.....\$ .348	.....\$ .33
679279CG	2567P10TL39	10	.....\$ .38	.....\$ .356	.....\$ .338
679287CG	2567P36TL39	36	.....\$ 1.29	.....\$ 1.02	.....\$ .97

2557 Series Gold Right Angle Single Row

- (A) 0.309"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677628CG	2557P02U000	2	.....\$ .31	.....\$ .297	.....\$ .285
677644CG	2557P03U000	3	.....\$ .51	.....\$ .435	.....\$ .413
677652CG	2557P04U000	4	.....\$ .51	.....\$ .49	.....\$ .466
677871CG	2557P05U000	5	.....\$ .82	.....\$ .73	.....\$ .70
677880CG	2557P06U000	6	.....\$ .74	.....\$ .72	.....\$ .69
677898CG	2557P07U000	7	.....\$ 1.15	.....\$ 1.11	.....\$ 1.03
677901CG	2557P08U000	8	.....\$ .99	.....\$ .91	.....\$ .90
677919CG	2557P09U000	9	.....\$ 1.07	.....\$ 1.00	.....\$ .92
677927CG	2557P10U000	10	.....\$ 1.24	.....\$ 1.06	.....\$ 1.03
677935CG	2557P11U000	11	.....\$ 1.12	.....\$ 1.02	.....\$ .97
677943CG	2557P12U000	12	.....\$ 1.27	.....\$ 1.03	.....\$ 1.00



.100" (2.54mm) Pitch Solid Headers

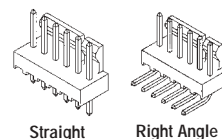
- Voltage rating: 250VAC
- Current rating: 3A
- Contact material: brass, tin plated 0.025" square posts
- Insulation resistance: 1,000MΩ min.
- Contact resistance: 20mΩ max.
- Withstanding voltage: 1,000VAC/1 minute

Straight with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
677257CG	2571P02V000	2	.....\$ .20	.....\$ .142	.....\$ .135
677265CG	2571P03V000	3	.....\$ .21	.....\$ .198	.....\$ .19
677273CG	2571P04V000	4	.....\$ .26	.....\$ .252	.....\$ .241
677281CG	2571P05V000	5	.....\$ .31	.....\$ .30	.....\$ .287
677290CG	2571P06V000	6	.....\$ .36	.....\$ .344	.....\$ .329
677302CG	2571P07V000	7	.....\$ .31	.....\$ .302	.....\$ .289
677311CG	2571P08V000	8	.....\$ .48	.....\$ .468	.....\$ .447
677329CG	2571P09V000	9	.....\$ .53	.....\$ .51	.....\$ .488
677337CG	2571P10V000	10	.....\$ .42	.....\$ .403	.....\$ .386
677345CG	2571P11V000	11	.....\$ .60	.....\$ .58	.....\$ .56
677353CG	2571P12V000	12	.....\$ .50	.....\$ .481	.....\$ .46

Right Angle with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
677960CG	2571P02H000	2	.....\$ .33	.....\$ .323	.....\$ .307
678006CG	2571P03H000	3	.....\$ .28	.....\$ .27	.....\$ .258
678014CG	2571P04H000	4	.....\$ .36	.....\$ .35	.....\$ .333
678022CG	2571P05H000	5	.....\$ .35	.....\$ .33	.....\$ .314
678031CG	2571P06H000	6	.....\$ .51	.....\$ .487	.....\$ .467
678049CG	2571P07H000	7	.....\$ .61	.....\$ .58	.....\$ .57
678057CG	2571P08H000	8	.....\$ .46	.....\$ .45	.....\$ .44
678065CG	2571P09H000	9	.....\$ .50	.....\$ .49	.....\$ .48
678073CG	2571P10H000	10	.....\$ .76	.....\$ .71	.....\$ .69
678081CG	2571P11H000	11	.....\$ .65	.....\$ .63	.....\$ .60
678090CG	2571P12H000	12	.....\$ .55	.....\$ .53	.....\$ .504

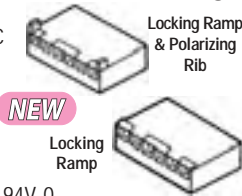


We will be adding hundreds of new
connectors in the coming months.
Check www.Jameco.com frequently
for all the newest additions.



.100" (2.54mm) Pitch Crimp Terminal Housing

- Current rating: 3A DC
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,000VAC/minute
- Housing: nylon 6/6, UL94V-0
- Operating temp.: -40°C to +105°C



With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos.	1	10	25
688554CG	2530S020000	2	... .20	\$.137	\$.11
688562CG	2530S030000	3	... .20	.182	.16
688571CG	2530S040000	4	... .20	.111	.105
688600CG	2530S050000	5	... .31	.269	.255
688618CG	2530S060000	6	... .35	.308	.293
688626CG	2530S070000	7	... .31	.292	.269
688642CG	2530S080000	8	... .45	.403	.383
688651CG	2530S090000	9	... .42	.389	.364
688669CG	2530S100000	10	... .42	.395	.369
688677CG	2530S110000	11	... .59	.528	.51
688685CG	2530S120000	12	... .52	.483	.452

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
688802CG	2530S020N00	2	... .20	\$.117	\$.093
688811CG	2530S030N00	3	... .20	.174	.143
688829CG	2530S040N00	4	... .24	.205	.186
688837CG	2530S050N00	5	... .28	.185	.176
688845CG	2530S060N00	6	... .20	.15	.14
688853CG	2530S070N00	7	... .36	.32	.30
688861CG	2530S080N00	8	... .21	.20	.195
688870CG	2530S090N00	9	... .44	.392	.37
688888CG	2530S100N00	10	... .49	.427	.406
688896CG	2530S110N00	11	... .53	.472	.45
688909CG	2530S120N00	12	... .56	.498	.473

Crimp Terminals

- Voltage rating: 250VAC
- Current rating: 4A
- Contact resistance: 20mΩ initial
- Insulation resistance: 50,000MΩ min.
- Withstanding voltage: 1,500VAC/minute
- Contact material: phosphor bronze



Part No.	Cross Ref. No.	Plating	1	10	25
689274CG	2533TPB00A0	Tin	... .20	\$.048	\$.044
689291CG	2533TPBU0A0	Gold	... .20	.111	.109

Polarizing Key

- Plastic
- Polyester, UL94V-0, Natural

Part No.	Cross Ref. No.	1	10	25
689258CG	6001-PK005	... .20	\$.047	\$.044

.100" (2.54mm) KK® Terminals

- Voltage: 250V
- Current: 4A
- Contact resistance: 20mA max.
- Dielectric w/standing voltage: 1500VAC
- Insulation resistance: 50k MΩ min.
- Phosphor bronze
- 22-30 AWG (462951CG/462969CG: cat ear)



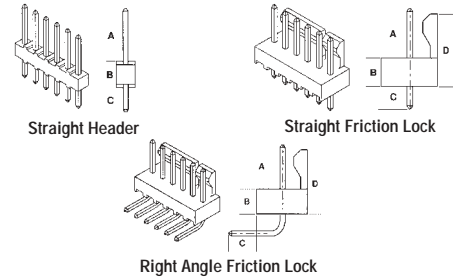
Part No.	Product No.	Plating	10	100
462969CG	08-65-0805	Tin (Bag)	... .10	\$.09
462985CG	08-65-0814	15µ" gold (Bag)	... .437	.418
463005CG	08-65-0816	15µ" sel. gold (Bag)	... .147	.14

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



KK® Series .100" (2.54mm) Male Headers

- Voltage: 250V
- Current: 4.0A
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square
- Durability: tin – 25 cycles max.; gold – 100 cycles max.
- Housing: nylon, UL94V-0



Straight Headers (Tin)

- Dimensions: (A) .295"; (B) .130"; (C) .135"

Part No.	Product No.	Positions	1	10	100
232178CG	22-03-2021	2	... .20	\$.09	\$.067
232186CG	22-03-2031	3	... .22	.16	.14
232194CG	22-03-2041	4	... .23	.21	.19
232207CG	22-03-2051	5	... .29	.26	.24
232215CG	22-03-2061	6	... .34	.31	.27
232223CG	22-03-2081	8	... .40	.34	.255
232231CG	22-03-2101	10	... .46	.42	.37
232240CG	22-03-2121	12	... .56	.51	.45

Straight Friction Lock Headers (Tin)

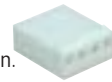
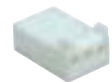
- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266CG	22-23-2021	2	... .29	\$.23	\$.15
232274CG	22-23-2031	3	... .35	.30	.19
232282CG	22-23-2041	4	... .42	.36	.23
232291CG	22-23-2051	5	... .49	.42	.27
232303CG	22-23-2061	6	... .55	.48	.31
232311CG	22-23-2071	7	... .63	.55	.36
232320CG	22-23-2081	8	... .72	.63	.41
232338CG	22-23-2091	9	... .76	.66	.37
232346CG	22-23-2101	10	... .80	.70	.46
232354CG	22-23-2121	12	... .95	.83	.55



KK® Series .100" (2.54mm) Female Housing & Crimp Contacts

- Voltage: 250V
- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 50,000MΩ
- Housing Material:
 - Contact insertion force: 1.5 lbs. max.
 - Contact retention to housing: 8 lbs. min.
 - Housing: nylon, UL94V-0
 - Operating temperature: 0 to 75°C



Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798CG	22-01-3027	2	... .29	\$.17	\$.10
234801CG	22-01-3037	3	... .29	.21	.13
234819CG	22-01-3047	4	... .31	.27	.17
234827CG	22-01-3057	5	... .36	.31	.20
234835CG	22-01-3067	6	... .42	.36	.23
234843CG	22-01-3077	7	... .47	.41	.26
234851CG	22-01-3087	8	... .54	.47	.30
234860CG	22-01-3097	9	... .58	.493	.369
234878CG	22-01-3107	10	... .65	.55	.35
234886CG	22-01-3127	12	... .76	.66	.42

Right Angle Friction Lock Headers (Tin)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437CG	22-05-3021	2	... .42	\$.36	\$.22
233445CG	22-05-3031	3	... .56	.49	.30
233453CG	22-05-3041	4	... .71	.61	.39
233461CG	22-05-3051	5	... .77	.65	.49
233470CG	22-05-3061	6	... .85	.74	.48
233488CG	22-05-3071	7	... .99	.79	.56
233496CG	22-05-3081	8	... 1.03	.83	.58
233509CG	22-05-3101	10	... 1.08	.91	.68
233517CG	22-05-3121	12	... 1.19	.99	.69

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584CG	22-11-2022	2	... .54	\$.46	\$.29
233592CG	22-11-2032	3	... .85	.74	.47
233605CG	22-11-2042	4	... .87	.76	.49
233613CG	22-11-2052	5	... \$1.22	.83	.67
233621CG	22-11-2062	6	... 1.34	1.17	.76
233630CG	22-11-2072	7	... 1.55	1.32	.99
233648CG	22-11-2082	8	... 1.65	1.42	.93
233656CG	22-11-2102	10	... 2.05	1.77	1.16
233664CG	22-11-2122	12	... 2.39	2.03	1.52

Right Angle Friction Lock Headers (Gold)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233672CG	22-12-2024	2	... .89	\$.77	\$.48
233681CG	22-12-2034	3	... 1.15	.97	.73
233699CG	22-12-2044	4	... 1.36	1.19	.76
233701CG	22-12-2054	5	... 1.49	1.26	.94
233710CG	22-12-2064	6	... 1.65	1.40	1.05
233728CG	22-12-2084	8	... 1.85	1.51	1.13

Housing with Locking Ramp

Part No.	Product No.	Positions	1	10	100
234704CG	22-01-2027	2	... .29	\$.15	\$.09
234712CG	22-01-2037	3	... .29	.20	.12
234721CG	22-01-2047	4	... .29	.24	.15
234739CG	22-01-2057	5	... .33	.28	.17
234747CG	22-01-2067	6	... .36	.32	.20
234755CG	22-01-2087	8	... .47	.41	.26
234763CG	22-01-2097	9	... .51	.44	.28
234771CG	22-01-2107	10	... .57	.49	.31
234780CG	22-01-2127	12	... .67	.58	.37

Crimp Contacts

- Accommodates 22 to 30 AWG
- Material: brass or phosphor bronze
- Insulation range: 0.062" (1.58mm) diameter max.
- Prepackaged: order in increments of 10, 100 or 1000
- 234923CG: Brass with tin plating
- 234931CG: Brass with 15µ" select gold plating

Part No.	Product No.	10	100	1000
234923CG	08-50-0114	... \$0.65	\$.048	\$.029
234931CG	08-55-0102	... .22	.17	.11

To Find Additional KK .100" Products In This Series, Visit www.Jameco.com/Prod/MolexKK100



KK® Series .100" (2.54mm) Pitch Crimp Terminal Housing

High Pressure

- Voltage: 250V
- Current: 2.5A
- Contact resistance: 20mΩ max.
- Dielectric w/standing voltage: 1500VAC
- Insulation resistance: 500k MΩ min.
- Housing: white nylon, UL04V-0



516226CG

* Prepackaged: please order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
516218CG	10-11-2023	2	..... *	\$0.69	\$0.65
516226CG	10-11-2033	3	..... .20	.103	.098
516234CG	10-11-2043	4	..... .20	.141	.134
516242CG	10-11-2053	5	..... .26	.247	.171
516251CG	10-11-2063	6	..... .20	.185	.176
516277CG	10-11-2083	8	..... .30	.28	.25
516293CG	10-11-2103	10	..... .33	.31	.295
516314CG	10-11-2123	12	..... .44	.417	.397



C-Grid™ .100" (2.54mm) Pitch Breakaway Headers

- Voltage: 250V
- Current: 3A
- Height: .220"
- Contact resistance: 15mΩ max.
- Contacts: phosphor bronze
- Dielectric w/standing voltage: 1500V
- Insulation resistance: 1000MΩ min.



514466CG

High Profile .220"H, Dual Row, Right Angle

Part No.	Product No.	Positions	1	10	100
514095CG	10-89-4042	4	..... \$0.63	\$0.60	\$0.57
514301CG	10-89-4062	6	..... .82	.78	.74
514431CG	10-89-4082	8	..... .98	.93	.88
513720CG	10-89-4106	10	..... 1.55	1.46	1.39
513754CG	10-89-4146	14	..... 2.05	1.95	1.86
513762CG	10-89-4162	16	..... 1.69	1.58	1.50
513789CG	10-89-4182	18	..... 1.95	1.81	1.72
513800CG	10-89-4202	20	..... 1.99	1.90	1.81
513842CG	10-89-4242	24	..... 2.45	2.31	2.20
513869CG	10-89-4262	26	..... 2.65	2.48	2.32
513906CG	10-89-4302	30	..... 3.15	3.00	2.86
513949CG	10-89-4342	34	..... 3.45	3.27	3.11
514001CG	10-89-4406	40	..... 6.05	5.72	5.45
514183CG	10-89-4566	56	..... 8.05	7.65	7.28
514280CG	10-89-4682	68	..... 6.69	6.38	6.08

Dual Row, Vertical, High Temperature

Part No.	Cross Ref.	Positions	1	10	100
514600CG	10-89-7042	4	..... \$0.24	\$0.209	\$0.186
514618CG	10-89-7062	6	..... .34	.295	.239
514651CG	10-89-7082	8	..... .46	.399	.319
514466CG	10-89-7102	10	..... .65	.57	.445
514503CG	10-89-7142	14	..... .92	.80	.57
514520CG	10-89-7162	16	..... 1.15	1.01	.73
514546CG	10-89-7202	20	..... 1.38	1.21	.87
514554CG	10-89-7242	24	..... 1.99	1.74	1.25
514571CG	10-89-7302	30	..... 2.09	1.82	1.30
514589CG	10-89-7342	34	..... 2.35	2.06	1.47
514597CG	10-89-7402	40	..... 2.79	2.42	1.72
514634CG	10-89-7802	80	..... 6.35	5.53	3.96



.100" (2.54mm) IDC Headers

- Housing: UL94V-0 rated, polyester, natural color



Fig. 1 (347266CG)



Fig. 2 (347371CG)



Fig. 3 (347442CG)



Fig. 4 (347531CG)



Fig. 5 (348074CG)

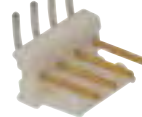


Fig. 6 (348251CG)

Narrow Flat Headers

- Posts: copper alloy, tin plated
- Base dimensions: 0.092"W x 0.1"H

Straight Post – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347240CG	644456-2	1	2	..... \$0.20	\$0.136	\$0.099
347258CG	644456-3	1	3	..... .20	.111	.083
347266CG	644456-4	1	4	..... .22	.205	.153
347274CG	644456-5	1	5	..... \$0.28	.20	.182
347282CG	644456-6	1	6	..... \$0.30	.20	.182
347291CG	644456-7	1	7	..... .28	.269	.201
347303CG	644456-8	1	8	..... .41	.328	.246
347311CG	644456-9	1	9	..... \$0.45	.37	.339
347320CG	1-644456-0	1	10	..... \$0.51	.41	.379

Straight Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347338CG	644695-2	2	2	..... \$0.20	\$0.112	\$0.084
347346CG	644695-3	2	3	..... .20	.118	.088
347354CG	644695-4	2	4	..... \$0.22	.20	.182
347362CG	644695-5	2	5	..... .23	.22	.165
347371CG	644695-6	2	6	..... .29	.248	.186
347389CG	644695-7	2	7	..... .29	.288	.216
347397CG	644695-8	2	8	..... .36	.332	.248
347400CG	644695-9	2	9	..... .37	.368	.276
347418CG	1-644695-0	2	10	..... .41	.409	.307

Right Angle Post – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347426CG	644457-2	3	2	..... \$0.20	\$0.103	\$0.077
347434CG	644457-3	3	3	..... .20	.134	.10
347442CG	644457-4	3	4	..... \$0.23	.20	.174
347451CG	644457-5	3	5	..... .20	.189	.141
347469CG	644457-6	3	6	..... .31	.30	.225
347477CG	644457-7	3	7	..... .99	.98	.74
347485CG	644457-8	3	8	..... .42	.39	.292
347493CG	644457-9	3	9	..... \$0.48	.39	.355
347506CG	1-644457-0	3	10	..... .53	.489	.366

Narrow Flat Headers (Continued)

Right Angle Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347514CG	644694-2	4	2	..... \$0.20	\$0.102	\$0.077
347522CG	644694-3	4	3	..... .21	.125	.122
347531CG	644694-4	4	4	..... .22	.172	.171
347549CG	644694-5	4	5	..... .24	.238	.234
347557CG	644694-6	4	6	..... .26	.259	.255
347565CG	644694-7	4	7	..... .30	.299	.297
347573CG	644694-8	4	8	..... .34	.339	.216
347581CG	644694-9	4	9	..... .39	.388	.382
347590CG	1-644694-0	4	10	..... .43	.428	.425

Friction Lock Headers

- Posts: copper alloy, gold over nickel plated

Straight Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348058CG	641215-2	5	2	..... \$0.37	\$0.304	\$0.276
348066CG	641215-3	5	3	..... .42	.387	.368
348074CG	641215-4	5	4	..... .52	.474	.456
348082CG	641215-5	5	5	..... .91	.74	.68
348091CG	641215-6	5	6	..... .74	.68	.65
348103CG	641215-7	5	7	..... .82	.75	.72
348111CG	641215-8	5	8	..... .50	.495	.492
348120CG	641215-9	5	9	..... 1.34	1.09	.99
348139CG	1-641215-0	5	10	..... 1.05	.96	.92

Right Angle Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348234CG	641216-2	6	2	..... \$0.56	\$0.56	\$0.416
348242CG	641216-3	6	3	..... .78	.78	.58
348251CG	641216-4	6	4	..... .95	.95	.70
348269CG	641216-5	6	5	..... .82	.75	.72
348277CG	641216-6	6	6	..... 1.25	1.25	.91
348285CG	641216-7	6	7	..... 1.29	1.28	.95
348293CG	641216-8	6	8	..... .65	.62	.58
348306CG	641216-9	6	9	..... 1.45	1.43	1.05
348314CG	1-641216-0	6	10	..... 1.15	1.05	1.00



MTA-100 (.100") Solid Headers

- 0.025" square posts
- Tin-plated
- Housing: nylon UL94V-0 rated, white polyester
- Posts: copper alloy, tin plated

* Prepackaged: please order in increments of 10 or 100

Right Angle Friction Lock

Part No.	Product No.	Positions	1	10	100
524859CG	640457-2	2	..... \$0.20	\$0.10	\$0.08
524867CG	640457-3	3	..... *	.071	.052
524875CG	640457-4	4	..... *	.072	.068
524883CG	640457-5	5	..... *	.089	.083
524891CG	640457-6	6	..... *	.098	.094



Right Angle



Straight

Straight Friction Lock

Part No.	Product No.	Positions	1	10	100
613931CG	640456-2	2	..... \$0.20	\$0.059	\$0.049
613940CG	640456-3	3	..... .20	.079	.075
613958CG	640456-4	4	..... .20	.105	.099
613966CG	640456-5	5	..... .20	.115	.109
613974CG	640456-6	620	.131	.115
613982CG	640456-7	7 *	.12	.11
613991CG	640456-8	820	.174	.154

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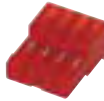
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AMP

MTA-100 (.100") IDC Connectors

- Voltage rating: 250VAC
- Current rating: 5A
- Low-level resistance: 6mΩ max. initial
- Dielectric withstand: 750VAC/1 min.
- Insulation resistance: 50kMΩ min.
- Contacts: phosphor bronze, tin-plated



524710CG

* Prepackaged: please order in increments of 10, 100 or 1000

Closed End w/o tabs

Part No.	Product No.	Pos.	AWG	Color	1	10
524699CG	640440-2	2	22	Red	.....*	\$.059
524701CG	640440-3	3	22	Red	.....*	\$.071
524710CG	640440-4	4	22	Red	.....*	\$.156
524728CG	640440-5	5	22	Red	.....	\$.20
524736CG	640440-6	6	22	Red	.....*	\$.161
524744CG	640440-7	7	22	Red	.....	\$.188
524752CG	640440-8	8	22	Red	.....	\$.262
524761CG	640441-2	2	24	White	.....	\$.082
524779CG	640441-3	3	24	White	.....	\$.072
524787CG	640441-5	4	24	White	.....*	\$.072
524795CG	640441-5	5	24	White	.....*	\$.15
524808CG	640441-6	6	24	White	.....	\$.21
524816CG	640441-8	8	24	White	.....	\$.267

MTA-100 (.100") Strain Relief Covers

- Closed End
- UL94V-2 rated, white nylon
- Dust cover: UL94V-0 rated, white polyester



* Prepackaged: please order in increments of 10, 100 or 1000

Part No.	Product No.	Positions	1	10	100
525149CG	643075-2	2	.....	\$.23	\$.176
525157CG	643075-4	4	\$.29	\$.223
525165CG	643075-5	5	\$.69	\$.64
525173CG	643075-6	6	\$.21	\$.199

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.100" (2.54mm) Strain Relief Covers



Closed-End Style

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326019CG	643075-2	2	2	.....	\$.24	\$.142
326027CG	643075-3	1	3	.....	\$.34	\$.195
326035CG	643075-4	1	4	.....	\$.25	\$.153
326043CG	643075-5	1	5	.....	\$.25	\$.198
326051CG	643075-6	1	6	.....	\$.20	\$.153
326060CG	643075-7	1	7	.....	\$.59	\$.213
326078CG	643075-8	1	8	.....	\$.49	\$.299
326086CG	643075-9	1	9	.....	\$.57	\$.484
326094CG	1-643075-0	1	10	.....	\$.59	\$.331

Feed-Thru Style

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326107CG	643077-2	2	2	.....	\$.25	\$.231
326115CG	643077-3	2	3	.....	\$.29	\$.20
326123CG	643077-4	2	4	.....	\$.31	\$.20
326131CG	643077-5	2	5	.....	\$.39	\$.35
326140CG	643077-6	2	6	.....	\$.43	\$.36
326158CG	643077-7	2	7	.....	\$.45	\$.382
326166CG	643077-8	2	8	.....	\$.50	\$.43
326174CG	643077-9	2	9	.....	\$.57	\$.485
326182CG	1-643077-0	2	10	.....	\$.59	\$.501

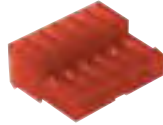
JAMECO
ValuePro

.100" (2.54mm) IDC Connectors

A JAMECO EXCLUSIVE

- Voltage rating: 250VAC
- Current rating: 4A max.
- Dielectric withstanding voltage: 750VAC/1 min.

- Low-level resistance: 5mΩ max. initial
- Insulation resistance: 5000MΩ min. initial



345640CG
Closed-End Style
w/o Polarizing Tab



345981CG
Closed-End Style
w/ Polarizing Tab



346431CG
Feed-Thru Style
w/o Polarizing Tab



346790CG
Feed-Thru Style
w/ Polarizing Tab



Closed-End Style

Quantity SAVE

Without Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345631CG	640440-5	5	22	Red	.....	\$.20	\$.122
345640CG	640440-6	6	22	Red	.....	\$.24	\$.141
345658CG	640440-7	7	22	Red	.....	\$.26	\$.168
345666CG	640440-8	8	22	Red	.....	\$.28	\$.179
345674CG	640440-9	9	22	Red	.....	\$.29	\$.19
345682CG	1-640440-0	10	22	Red	.....	\$.35	\$.264
345738CG	640441-6	6	24	White	.....	\$.24	\$.141
345746CG	640441-7	7	24	White	.....	\$.26	\$.17
345754CG	640441-8	8	24	White	.....	\$.27	\$.216
345762CG	640441-9	9	24	White	.....	\$.32	\$.199
345771CG	1-640441-0	10	24	White	.....	\$.35	\$.246

With Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345965CG	643813-2	2	22	Red	.....	\$.20	\$.11
345973CG	643813-3	3	22	Red	.....	\$.21	\$.12
345981CG	643813-4	4	22	Red	.....	\$.20	\$.123
345990CG	643813-5	5	22	Red	.....	\$.23	\$.157
346001CG	643813-6	6	22	Red	.....	\$.24	\$.174
346010CG	643813-7	7	22	Red	.....	\$.26	\$.189
346028CG	643813-8	8	22	Red	.....	\$.26	\$.195
346036CG	643813-9	9	22	Red	.....	\$.29	\$.28
346044CG	1-643813-0	10	22	Red	.....	\$.35	\$.246
346087CG	643814-5	5	24	White	.....	\$.24	\$.166
346095CG	643814-6	6	24	White	.....	\$.24	\$.174
346108CG	643814-7	7	24	White	.....	\$.26	\$.189
346116CG	643814-8	8	24	White	.....	\$.28	\$.213
346132CG	1-643814-0	10	24	White	.....	\$.32	\$.264

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors



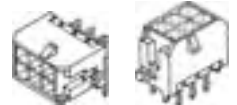
Part No.	Product No.	Description	Price
365974CG	59803-1	.100" hand tool	\$20.89

molex

.118" (3.0mm) Dual Row Micro-Fit 3.0™ SMT Connectors

- Solderable fitting nail provides retention to PCB
- Fully polarized to mating receptacle
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Housing: high temperature LCP, UL94V-0

- Contact resistance: 10mΩ max.
- Voltage: 250V
- Current: 5.0A max.



For more SMT Connectors see page 349

NEW

Dual Row Vertical, Tin

Part No.	Cross Ref.	Pos.	1	10	100
337949CG	43045-0218	2	.....	\$2.15	\$1.91
338028CG	43045-0418	4	.....	2.49	2.37
338095CG	43045-0618	6	.....	3.55	3.32
338159CG	43045-0818	8	.....	3.25	2.85
338191CG	43045-1018	10	.....	3.55	3.32

Dual Row Right Angle, Tin

Part No.	Cross Ref.	Pos.	1	10	100
337906CG	43045-0209	2	.....	\$2.15	\$1.92
337981CG	43045-0409	4	.....	2.65	2.37
338061CG	43045-0609	6	.....	3.05	2.84

Dual Row Vertical, 30μ" Gold

Part No.	Cross Ref.	Pos.	1	10	100
337957CG	43045-0220	2	.....	\$2.65	\$2.36
338036CG	43045-0420	4	.....	2.29	2.09
338108CG	43045-0620	6	.....	3.69	3.29
338204CG	43045-1020	10	.....	4.85	4.35

Dual Row Right Angle, 30μ" Gold

Part No.	Cross Ref.	Pos.	1	10	100
337914CG	43045-0211	2	.....	\$2.85	\$2.49
337990CG	43045-0411	4	3.55	3.32
338124CG	43045-0811	8	3.05	2.76

RoHS compliant product

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139



.118" (3.0mm) Single and Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents



338634CG
(Fig. 1)



338271CG
(Fig. 2)



338280CG
(Fig. 3)



337691CG
(Fig. 4)



337623CG
(Fig. 5)



337631CG
(Fig. 6)



338491CG
(Fig. 7)



338044CG
(Fig. 8)



338079CG
(Fig. 9)

Single Row Crimp Housing

- Positive latching to mating headers or plugs
- Fully isolated contacts
- Integral pull tabs for ease in unmating
- Black
- Receptacle mates with 43640 and 43650 series

Receptacles (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
338351CG	43645-0200	2	.....\$ .20	.....\$ .166	.....\$ .152
338360CG	43645-0300	3	.....\$ .20	.....\$ .174	.....\$ .168
338378CG	43645-0400	4	.....\$ .21	.....\$ .19	.....\$ .184
338634CG	43645-0500	5	.....\$ .23	.....\$ .213	.....\$ .20
338386CG	43645-0600	6	.....\$ .26	.....\$ .229	.....\$ .216

Plugs – Panel Mount (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
338255CG	43640-0200	2	.....\$ .20	.....\$ .166	.....\$ .152
338271CG	43640-0300	3	.....\$ .23	.....\$ .205	.....\$ .20
338298CG	43640-0400	4	.....\$ .32	.....\$ .307	.....\$ .276
338319CG	43640-0500	5	.....\$ .35	.....\$ .33	.....\$ .303
338335CG	43640-0600	6	.....\$ .38	.....\$ .368	.....\$ .323

Plugs – Free Hanging (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
338263CG	43640-0201	2	.....\$ .20	.....\$ .166	.....\$ .152
338280CG	43640-0301	3	.....\$ .20	.....\$ .174	.....\$ .168
338301CG	43640-0401	4	.....\$ .21	.....\$ .19	.....\$ .184
338327CG	43640-0501	5	.....\$ .50	.....\$ .449	.....\$ .303
338343CG	43640-0601	6	.....\$ .34	.....\$ .332	.....\$ .248

Double Row Crimp Housing

- Fully isolated contacts
- Housing: UL94V-0
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series
- Contact resistance: 10mΩ (max.)
- Contacts: tin or 30µ" gold plating over phosphor bronze

Receptacles (Fig. 4)

Part No.	Cross Ref. No.	Positions	1	10	100
337666CG	43025-0200	2	.....\$ .20	.....\$ .174	.....\$ .144
337674CG	43025-0400	4	.....\$ .23	.....\$ .213	.....\$ .192
337682CG	43025-0600	6	.....\$ .28	.....\$ .253	.....\$ .232
337691CG	43025-0800	8	.....\$ .33	.....\$ .292	.....\$ .264
337703CG	43025-1000	10	.....\$ .36	.....\$ .332	.....\$ .272
337711CG	43025-1200	12	.....\$ .45	.....\$ .403	.....\$ .368
337842CG	43025-1600	16	.....\$ .52	.....\$ .443	.....\$ .384
337851CG	43025-1800	18	.....\$ .71	.....\$ .65	.....\$ .544
337869CG	43025-2000	20	.....\$ .95	.....\$ .86	.....\$ .71
337877CG	43025-2400	24	.....\$ .82	.....\$ .79	.....\$ .68

Plugs – Panel Mount (Fig. 5)

Part No.	Cross Ref. No.	Positions	1	10	100
337586CG	43020-0200	2	.....\$ .21	.....\$ .182	.....\$ .152
337594CG	43020-0400	4	.....\$ .23	.....\$ .213	.....\$ .184
337607CG	43020-0600	6	.....\$ .29	.....\$ .261	.....\$ .24
337623CG	43020-0800	8	.....\$ .35	.....\$ .261	.....\$ .224
337640CG	43020-1000	10	.....\$ .40	.....\$ .356	.....\$ .328
337826CG	43020-1200	12	.....\$ .45	.....\$ .403	.....\$ .368
337834CG	43025-1400	14	.....\$ .49	.....\$ .442	.....\$ .36

Double Row Crimp Housing (Continued)

Plugs – Free Hanging (Fig. 6)

Part No.	Cross Ref. No.	Positions	1	10	100
337800CG	43020-0201	2	.....\$ .21	.....\$ .182	.....\$ .168
337818CG	43020-0401	4	.....\$ .29	.....\$ .253	.....\$ .194
337615CG	43020-0601	6	.....\$ .31	.....\$ .237	.....\$ .20
337631CG	43020-0801	8	.....\$ .40	.....\$ .363	.....\$ .304
337658CG	43020-1001	10	.....\$ .46	.....\$ .419	.....\$ .336

Single Row PCB Headers

- Snap-in peg locks header to PCB for retention
- Surface mount compatible
- Mates with 43645 series
- Fully polarized to mating receptacle

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338394CG	43650-0200	2	.....\$ .39	.....\$ .332	.....\$ .296
338431CG	43650-0300	3	.....\$ .41	.....\$ .379	.....\$ .344
338466CG	43650-0400	4	.....\$ .43	.....\$ .395	.....\$ .36
338491CG	43650-0500	5	.....\$ .15	.....\$ 1.08	.....\$ .84
338520CG	43650-0600	6	.....\$ .99	.....\$ .80	.....\$ .73

Right Angle w/ Snap-In Plastic Peg – 15µ" gold (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338407CG	43650-0201	2	.....\$ .61	.....\$ .57	.....\$ .512
338642CG	43650-0301	3	.....\$ 1.09	.....\$ 1.03	.....\$ .80
338651CG	43650-0401	4	.....\$ 1.25	.....\$ 1.17	.....\$ .92

Double Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle
- Black

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337885CG	43045-0200	2	.....\$ .35	.....\$ .316	.....\$ .264
337965CG	43045-0400	4	.....\$ .51	.....\$ .443	.....\$ .40
338044CG	43045-0600	6	.....\$ .55	.....\$ .514	.....\$ .456
338554CG	43045-0800	8	.....\$ .70	.....\$ .62	.....\$ .56
338562CG	43045-1000	10	.....\$ .78	.....\$ .72	.....\$ .66
338212CG	43045-1200	12	.....\$ .89	.....\$ .84	.....\$ .77
338571CG	43045-1400	14	.....\$ 1.09	.....\$ .99	.....\$ .92
338597CG	43045-1600	16	.....\$ 1.25	.....\$ 1.15	.....\$ 1.04
338600CG	43045-2000	20	.....\$ 1.39	.....\$ 1.30	.....\$ 1.20

Right Angle w/ Snap-In Plastic Peg – Gold (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337893CG	43045-0202	2	.....\$ .51	.....\$ .458	.....\$ .416
337973CG	43045-0402	4	.....\$ .67	.....\$ .64	.....\$ .57
338052CG	43045-0602	6	.....\$ .99	.....\$ .88	.....\$ .80
338116CG	43045-0802	8	.....\$ 1.05	.....\$ 1.00	.....\$ .90
338167CG	43045-1002	10	.....\$ 1.25	.....\$ 1.14	.....\$ 1.04
338221CG	43045-1202	12	.....\$ 1.39	.....\$ 1.32	.....\$ 1.19
338589CG	43045-1402	14	.....\$ 1.59	.....\$ 1.46	.....\$ 1.36
338618CG	43045-2202	22	.....\$ 2.39	.....\$ 2.17	.....\$ 2.08
338626CG	43045-2402	24	.....\$ 6.09	.....\$ 5.84	.....\$ 4.47

Double Row PCB Headers (Continued)

Vertical Thru Hole – Tin (Fig. 9)

Part No.	Cross Ref. No.	Positions	1	10	100
337922CG	43045-0212	2	.....\$ .59	.....\$ .57	.....\$ .408
338001CG	43045-0412	4	.....\$ .39	.....\$ .332	.....\$ .304
338079CG	43045-0612	6	.....\$ .47	.....\$ .419	.....\$ .376
338132CG	43045-0812	8	.....\$ .70	.....\$ .64	.....\$ .58
338175CG	43045-1012	10	.....\$ .65	.....\$ .60	.....\$ .56
338239CG	43045-1212	12	.....\$ .82	.....\$ .74	.....\$ .67

Vertical Thru Hole – Gold (Fig. 9)

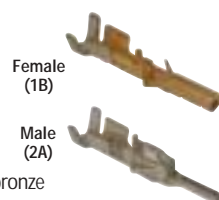
Part No.	Cross Ref. No.	Positions	1	10	100
337931CG	43045-0214	2	.....\$ .49	.....\$ .451	.....\$ .408
338010CG	43045-0414	4	.....\$ .59	.....\$ .514	.....\$ .48
338087CG	43045-0614	6	.....\$ .79	.....\$ .72	.....\$ .66
338141CG	43045-0814	8	.....\$ .99	.....\$ .89	.....\$ .81
338183CG	43045-1014	10	.....\$ 2.25	.....\$ 2.05	.....\$ 1.75
338247CG	43045-1214	12	.....\$ 1.39	.....\$ 1.30	.....\$ 1.22

Female & Male Contacts

Type*:

- 1: female
- 2: male

- A: tin plating over phosphor bronze
- B: 30µ" select gold over nickel over phosphor bronze



* Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
337720CG	43030-0007	20-24	1A .... *	.....\$ .094	.....\$ .072	
337738CG	43030-0009	20-24	1B .... *	.....\$ .20	.....\$ .16	
337746CG	43030-0010	26-30	1A .... *	.....\$ .096	.....\$ .081	
337754CG	43030-0012	26-30	1B .... *	.....\$ .20	.....\$ .174	.....\$ .16
337762CG	43031-0007	20-24	2A .... *	.....\$ .087	.....\$ .064	
337771CG	43031-0009	20-24	2B .... *	.....\$ .135	.....\$ .104	
337789CG	43031-0010	26-30	2A .... *	.....\$ .085	.....\$ .072	
337797CG	43031-0012	26-30	2B .... *	.....\$ .134	.....\$ .12	

Extraction Tool

- Length: 3.0"

Part No.	Cross Ref. No.	1	5
338669CG	11-03-0043	.....\$ 14.99	.....\$ 11.49

Crimp Tool

- Length: 8.25"

Part No.	Cross Ref. No.	1	5	10
338678CG	HT-225D	.....\$ 24.99	.....\$ 22.99	.....\$ 19.99

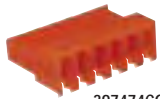
Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

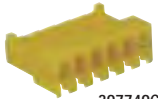
.156" (3.96mm) IDC Connectors AMP MTA-156 Series Value Equivalents

JAMECO
ValuePro

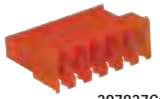
A JAMECO
EXCLUSIVE



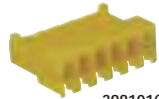
397474CG
(Fig. 1)



397749CG
(Fig. 2)



397837CG
(Fig. 3)



398101CG
(Fig. 4)

Closed-End Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
397431CG	640426-2R	2	\$.21	\$.103	\$.077
397440CG	640426-3R	3	.22	.149	.139
397458CG	640426-4R	4	.23	.158	.142
397466CG	640426-5R	5	.24	.185	.145
397474CG	640426-6R	6	.25	.199	.164

Part No.	Cross Ref. No.	Positions	1	10	100
397520CG	640427-2R	2	\$.21	\$.117	\$.105
397538CG	640427-3R	3	.22	.139	.119
397546CG	640427-4R	4	.23	.166	.129
397554CG	640427-5R	5	.24	.185	.159
397562CG	640427-6R	6	.25	.199	.169

Part No.	Cross Ref. No.	Positions	1	10	100
397618CG	643817-2R	2	\$.21	\$.126	\$.119
397626CG	643817-3R	3	.22	.138	.133
397634CG	643817-4R	4	.23	.126	.119
397642CG	643817-5R	5	.24	.149	.139
397651CG	643817-6R	6	.25	.159	.149

Part No.	Cross Ref. No.	Positions	1	10	100
397706CG	643818-2R	2	\$.21	\$.119	\$.105
397714CG	643818-3R	3	.22	.179	.138
397722CG	643818-4R	4	.23	.189	.169
397731CG	643818-5R	5	.24	.199	.189
397749CG	643818-6R	6	.25	.205	.195

Part No.	Cross Ref. No.	Positions	1	10	100
398696CG	643067-2R	2	\$.20	\$.16	\$.12
398709CG	643067-3R	3	.24	.22	.165
398717CG	643067-4R	4	.33	.256	.17
398725CG	643067-5R	5	.67	.62	.508
398733CG	643067-6R	6	.34	.261	.192

.156" Center Housing Connectors & Crimp Contact

- Mating connectors for Mean Well LPS and LPP series power supplies (pgs 228-229)
- Current rating: 10A AC/DC
- Voltage rating: 250V AC/DC



215950CG



227416CG

Part No.	Description	1	10	100	1000
215950CG	5 pos. housing	\$.35	\$.31	\$.25	\$.187
215976CG	8 pos. housing	.39	.35	.28	.21
215968CG	12 pos. housing	.49	.44	.352	.264
227416CG	Crimp contact	.32	.29	.26	.22

Feed-Thru Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
397790CG	640599-2R	2	\$.21	\$.117	\$.105
397802CG	640599-3R	3	.22	.129	.119
397811CG	640599-4R	4	.23	.158	.136
397829CG	640599-5R	5	.24	.172	.155
397837CG	640599-6R	6	.25	.199	.189

Part No.	Cross Ref. No.	Positions	1	10	100
397888CG	640600-2R	2	\$.21	\$.129	\$.119
397896CG	640600-3R	3	.22	.149	.138
397909CG	640600-4R	4	.23	.165	.155
397917CG	640600-5R	5	.24	.179	.169
397925CG	640600-6R	6	.25	.199	.189

Part No.	Cross Ref. No.	Positions	1	10	100
397976CG	644465-2R	2	\$.21	\$.099	\$.089
397984CG	644465-3R	3	.22	.119	.109
397992CG	644465-4R	4	.23	.158	.149
398004CG	644465-5R	5	.24	.175	.165
398012CG	644465-6R	6	.25	.199	.189

Part No.	Cross Ref. No.	Positions	1	10	100
398063CG	644466-2R	2	\$.21	\$.099	\$.089
398071CG	644466-3R	3	.22	.109	.099
398080CG	644466-4R	4	.23	.119	.109
398098CG	644466-5R	5	.24	.189	.179
398101CG	644466-6R	6	.25	.199	.189

Part No.	Cross Ref. No.	Positions	1	10	100
398602CG	643071-2R	2	\$.20	\$.189	\$.141
398611CG	643071-3R	3	.27	.245	.183
398629CG	643071-4R	4	.37	.327	.245
398637CG	643071-5R	5	\$.45 .34	.316	.237
398645CG	643071-6R	6	\$.49 .20	.166	.124

.156" (3.96mm) Center Straight-Friction Lock Headers

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25°C to +85°C
- Header material: pin - brass/tin-plated
- Base: nylon 66, UL94V-2



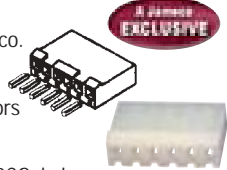
104811CG

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104791CG	LMH4	4	\$.22	\$.11	\$.09	\$.067
104803CG	LMH5	5	.23	.13	.11	.09
104811CG	LMH6	6	.25	.15	.12	.10
104846CG	LMH10	10	.27	.198	.184	.138

Part No.	Cross Ref. No.	Pins	1	10	100	1000
235491CG	8673-12-5	12	\$.35	\$.315	\$.28	\$.21

.156" (3.9mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 224-229) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use w/ crimp pins, 78318CG, below

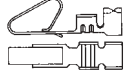


104731CG

Part No.	Cross Ref. No.	Pins	1	10	100	1000
176743CG	LCH2	2	\$.20	\$.07	\$.05	\$.04
104432CG	LCH3	3	.22	.19	.12	.11
104716CG	LCH4	4	.25	.22	.15	.12
104723CG	LCH5	5	.26	.24	.17	.13
104731CG	LCH6	6	.33	.30	.24	.15
104766CG	LCH10	10	.39	.32	.28	.23

.156" (3.9mm) Center Crimp Pins

- Pin wire gauge: 18-24 AWG
- Material: brass/tin plated
- Use with .156 housings (above)



Part No.	Mfr.	Cross Ref. No.	10	100	1000
78318CG	JS-5001-T	+	\$.11	\$.08	\$.07

.156" Female Crimp Pins

- Pin wire gauge: 18-22 AWG
- Material: tin-plated brass
- Use 99442CG crimping tool, pg 311



Part No.	Mfr.	Cross Ref. No.	10	100	1000
154093CG	LRPN	+	\$.061	\$.05	\$.035

AMP T-Handle Tool

Part No.	Product No.	Description	Price
404540CG	59804-1	0.156" hand tool	\$20.89

Making Great Connectors Even Better!

Do you know how to make these premium-quality connectors even better? Too often, prototypers use pliers or an incorrect crimper to fasten wire to pin. When the plier tips are too wide, pin shapes become distorted. Even a slight distortion can prevent the pin from seating in the connector properly, which leads to poor connections. An improper crimper can either under-crimp, leading to future wire separation; or over-crimp, leading to fatigued pins that eventually break apart.

Be sure you use the right crimper for the job. For instance, be sure to use P/N 99442CG on page 311 for the crimp pins on this page. Then you can be assured the quality of your work will be as great as the quality of the connectors.



Practical Practices
 Money Saving Tips for the Engineer

AMP

.156" (3.96mm) Male Headers

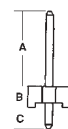
- Voltage and current rating: 600VAC @ 7.0A
- Contact material/plating: copper alloy/tin
- UL94V-0 flammability rating
- .045" square posts
- Insulator material: polyester
- Solder tail material/plating: copper alloy/tin



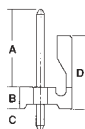
231491CG

231571CG

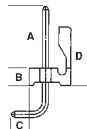
232418CG



Straight Header



Straight Friction Lock



Right Angle Friction Lock

Straight Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"

Part No.	Product No.	Positions	1	10	100
231458CG	640383-2	2	\$.23	\$.20	\$.126
231466CG	640383-3	3	.36	.329	.263
231474CG	640383-4	4	.29	.26	.195
231482CG	640383-5	5	.37	.33	.247
231491CG	640383-6	6	.40	.36	.27
231503CG	640383-7	7	.47	.42	.315
231511CG	640383-8	8	.55	.46	.39
231520CG	640383-9	9	.60	.53	.397
231538CG	1-640383-0	10	.69	.63	.56

Quantity SAVE

Straight Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	100
231546CG	640445-2	2	\$.20	\$.07	\$.06
231554CG	640445-3	3	.21	.075	.065
231562CG	640445-4	4	.22	.129	.115
231571CG	640445-5	5	.23	.15	.14
231589CG	640445-6	6	.24	.17	.13
231597CG	640445-7	7	.26	.18	.16
231600CG	640445-8	8	.28	.23	.21
231626CG	1-640445-0	10	\$.31	.24	.18

Right Angle Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	100
232362CG	640389-2	2	\$.29	\$.26	\$.23
232371CG	640389-3	3	.44	.39	.34
232389CG	640389-4	4	.59	.52	.46
232397CG	640389-5	5	\$.74	.60	.54
232400CG	640389-6	6	.80	.71	.62
232418CG	640389-7	7	\$.93	.80	.72
232426CG	640389-8	8	\$.1.06	.91	.83
232434CG	640389-9	9	1.19	1.06	.92
232442CG	1-640389-0	10	1.33	1.18	.98

AMP

.156" (3.96mm) Female Housing

- Voltage and current rating: 250VAC @ 6.5A maximum
- Material: nylon, unreinforced 94V-0
- Insulation resistance: 1,000MΩ minimum
- Dielectric withstanding voltage: 2kVAC
- Hole diameter: .054" (1.37mm)

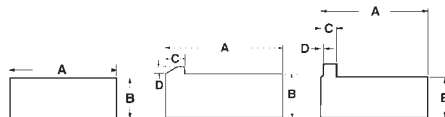


236259CG

236161CG

236347CG

Side View



Without Locking Ramp

With Locking Ramp

With Locking Ramp & Polarizing Tabs

Without Locking Ramp

- Dimensions: (A) .660"; (B) .250"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236232CG	640251-2	2	\$.20	\$.115	\$.095
236241CG	640251-3	3	.21	.15	.09
236259CG	640251-4	4	.24	.189	.135
236267CG	640251-5	5	.24	.22	.16
236275CG	640251-6	6	.25	.202	.151
236283CG	640251-7	7	.42	.326	.213
236291CG	640251-8	8	.45	.373	.243
236304CG	640251-9	9	.46	.419	.314
236312CG	1-640251-0	10	.27	.25	.243

With Locking Ramp

Lower \$\$\$

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236144CG	640250-2	2	\$.20	\$.099	\$.075
236152CG	640250-3	3	.21	.095	.07
236161CG	640250-4	4	.22	.15	.112
236179CG	640250-5	5	.20	.138	.105
236187CG	640250-6	6	.20	.141	.105
236195CG	640250-7	7	.20	.15	.121
236208CG	640250-8	8	.22	.192	.166
236216CG	640250-9	9	.45	.419	.314
236224CG	1-640250-0	10	.51	.466	.349

With Locking Ramp and Polarizing Tabs

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .019" ±.003"

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
236321CG	770849-2	2	\$.20	\$.10	\$.07
236339CG	770849-3	3	.22	.14	.12
236347CG	770849-4	4	.24	.19	.15
236355CG	770849-5	5	.26	.159	.114
236363CG	770849-6	6	.30	.28	.182
236371CG	770849-7	7	.36	.326	.213
236380CG	770849-8	8	.39	.365	.30
236398CG	770849-9	9	.46	.39	.19
236401CG	1-770849-0	10	.31	.307	.244

AMP

.156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:
 - *A: brass, 0.012" bright tin plated
 - *B: brass, 0.012" pre-tin plated
 - *C: brass, 0.00030" gold over nickel plated
 - *D: phosphor bronze, 0.012" bright tin plated
 - *E: phosphor bronze, 0.0003" gold over nickel plated
- For use with .156" AMP housings (bottom left)
- Prepackaged: order in increments of 10, 100 or 500



*Fig. 1

(High-Force)

*Fig. 2

(Low-Force)

*Fig. 3

(Hooded - Dual Wipe)

Part No.	Product No.	Desc.*	AWG	10	100	500
248866CG	640706-1	1A	18-24	\$.171	\$.155	\$.145
248874CG	640706-2	1B	18-24	.152	.14	.13
248882CG	640707-1	2A	18-24	.20	.175	.119
248891CG	770258-1	2C	18-24	.39	.35	.32
248903CG	770522-1	3D	18-24	.19	.138	.123
248911CG	770258-2	3E	18-24	.30	.27	.23

AMP

MTA-156 (.156") Housings & Accessories

Housings

- Housing material: UL 94V-2 rated nylon
- Contacts: copper alloy with 2.03m" tin plating
- Accepts 1.14mm (0.045") posts



524613CG

*Blue Part No. = Limited Quantity Available

*Prepackaged: please order in increments of 10 or 100

18AWG w/o tabs

Part No.	Product No.	Positions	1	10	100
524592CG	640426-2	2	\$.152	\$.137	
524605CG	640426-3	3	.155	.104	
524613CG	640426-4	4	.26	.234	.185
524621CG	640426-5	5	.85	.74	.67
524630CG	640426-6	6	.24	.22	.202

22AWG w/o tabs

Part No.	Product No.	Positions	1	10	100
524648CG	640428-2	2	\$.132	\$.119	
524656CG	640428-4	4	.20	.164	.152
524664CG	640428-6	6	.24	.22	.202

Closed End Strain Relief Covers

Part No.	Product No.	Positions	1	10	100
525106CG	640428-2	2	\$.23	\$.215	\$.201

Keying Plug

Part No.	Product No.	1	10
525026CG	640629-1	*	\$.078

AMP

Manual Pistol Hand Grip Tool

- For use with MTA Connectors



Part No.	Product No.	1	10
526635CG	58074-1	\$52.75	\$50.48

* This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

KK® Series .156" (3.96mm) Pitch Crimp Terminal Housings

- Voltage: 250VAC • Housing: nylon, UL94V-2
- Dielectric withstanding voltage: 1500VAC

With Locking Ramp (KK Series 2139)

- Current: phosphor bronze – 7A max.; brass – 5A max.
- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.



Part No.	Product No.	Positions	1	10	100
463427CG	09-50-3021	2	\$.20	\$.095	\$.086
463435CG	09-50-3031	3 .....	.20	.13	.124
463443CG	09-50-3041	4 .....	.25	.173	.165
463460CG	09-50-3061	6 .....	.31	.295	.257
463486CG	09-50-3081	8 .....	.36	.346	.33
463507CG	09-50-3101	10 .....	.40	.385	.366
463523CG	09-50-3121	12 .....	.61	.58	.495

With Locking Ramp (KK Series 41695)

- Current: phosphor bronze – 7A max.; brass – 5A max.
- Contact resistance: 6mΩ max.
- Insulation resistance: 500k MΩ min.



Part No.	Product No.	Positions	1	10	100
481393CG	09-50-8021	2	\$.20	\$.104	\$.095
481406CG	09-50-8031	3 .....	.20	.122	.121
481422CG	09-50-8041	4 .....	.24	.178	.164
481449CG	09-50-8051	5 .....	.27	.209	.198
481465CG	09-50-8061	6 .....	.29	.246	.234
481502CG	09-50-8081	8 .....	.35	.334	.315
481334CG	09-50-8101	10 .....	.72	.62	.409
481060CG	09-50-8121	12 .....	.84	.66	.485

With Locking Ramp (KK Series 2139)

- Contact resistance: 20mΩ max.
- Wire-to-Board • Current: 7A
- Insulation resistance: 500k MΩ min.



Part No.	Product No.	Positions	1	10	100
520031CG	09-91-0200	2	\$.31	\$.289	\$.275
520049CG	09-91-0300	3 .....	.57	.542	.409
520057CG	09-91-0400	4 .....	.45	.43	.41
520065CG	09-91-0500	5 .....	.42	.395	.377
520073CG	09-91-0600	6 .....	.44	.42	.40
520209CG	09-91-2000	20 .....	.94	.89	.85

KK® Series .156" (3.96mm) Crimp Terminals

Trifurcon Terminals

- Brass with tin plating (cat ear)



Part No.	Product No.	Description	10	100
462774CG				
462740CG	08-50-0131	18-22 AWG (7000 pc. reel) Ⓢ	\$.034	
462774CG	08-50-0165	18-20 AWG (bag)	\$.105	\$.095

.156" (3.96mm) Pitch Headers

Vertical

- Voltage: 250V • Current: 7A
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC/1 min.
- Insulation resistance: 1000MΩ min.
- Housing: 6/6 nylon, UL94V-2
- Contacts: brass w/ tin plating, 0.045" square posts




* Prepackaged: please order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
519751CG	09-67-4061	6	\$.55	\$.52	\$.495
519831CG	09-67-4101	10	1.29	1.19	.99

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. Ⓢ Blue Part No. = Limited Quantity Available

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 1.](#)

KK® Series .156" (3.96mm) Pitch PCB Connectors

- Voltage: 250VAC • Current: 5A
- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.
- Housing: nylon, UL94V-2
- Dielectric w/standing voltage: 1500VAC



Bottom Entry

- Contact: brass with .38μm select gold

Part No.	Product No.	Positions	1	10	100
523223CG	09-62-3032	3	\$.75	\$.461	\$.439
523240CG	09-62-3042	4 .....	.95	.84	.59
523274CG	09-62-3062	6 .....	.98	.93	.88
523320CG	09-62-3082	8	2.29	1.88	1.18
523418CG	09-62-3122	12	1.95	1.85	1.76

- Contacts: brass or phosphor bronze w/ tin-lead plating

Part No.	Product No.	Positions	1	10	100
481588CG	09-52-3042	4	\$.41	\$.386	\$.367
481596CG	09-52-3052	5 .....	.50	.47	.447
481609CG	09-52-3062	6 .....	.91	.86	.65
481617CG	09-52-3072	7	1.03	.98	.70
481633CG	09-52-3082	8 .....	.99	.94	.72

Right Angle

- Contact: brass with .38μm select gold

Part No.	Product No.	Positions	1	10	100
523371CG	09-62-3101	10	\$2.69	\$2.37	\$1.40

SPOX™ .156" (3.96mm) Pitch Headers

Right Angle, Friction Lock

- Voltage: 250V • Current: 7A
- Contact resistance: 10mΩ max.
- Housing: 6/6 nylon, UL94V-2
- Insulation resistance: 1000MΩ min.
- Dielectric withstanding voltage: 1500VAC/1 min.
- Contacts: brass w/ tin plating, 0.045" square posts



Part No.	Product No.	Positions	1	10	100
519881CG	09-75-2024	2	\$.28	\$.267	\$.254
519890CG	09-75-2034	3 .....	.48	.456	.342
519902CG	09-75-2044	4 .....	.44	.42	.392
519929CG	09-75-2064	6 .....	.87	.83	.79

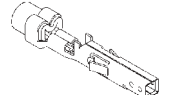
.165" (4.2mm) Mini-Fit Jr. Contacts

- Voltage: 600V • Current: 9A (†12A current rating) • Dielectric withstanding voltage: 1500V
- Contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min.
- Material: *A: Brass (pre-plated tin over copper)

*B: Brass or copper (post-plated tin over nickel)

*C: Brass (post-plated tin over nickel)

*D: Phosphor bronze (pre-plated gold over nickel)



Male Contacts

*Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Desc.*	AWG	1	10	100
304661CG	44478-3112	†1B	16	\$.20	\$.171	\$.152
304688CG	39-00-0224	†1D	16 .....	.85	.71	.508
304709CG	39-00-0096	†1C	16 .....	.62	.517	.376
304725CG	39-00-0041	†1A	18-24	* .056	* .047	
304741CG	39-00-0220	†1D	18-24 ....	.76	.71	.389
304792CG	30490-2012	†1D	18-24 ....	.25	.244	.209
304805CG	39-00-0054	†1C	18-24 ....	.43	.404	.306
304821CG	30490-1012	†1D	18-24 ....	.83	.69	.494
304768CG	44478-1112	†1B	22-28 ....	.28	.261	.171
304864CG	39-00-0049	†1A	22-28 ....	.20	.071	.07
304881CG	39-00-0222	†1D	22-28 ....	.76	.65	.466
304901CG	39-00-0088	†1C	22-28 ....	.43	.40	.361

- Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307985CG	39-00-0040	†1A	18-24	\$108.00

Female Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304670CG	44476-3112	†2C	16	\$.32	\$.261	\$.155
304696CG	39-00-0186	†2D	16 .....	.85	.70	.51
304717CG	39-00-0168	†2C	16 .....	.58	.479	.346
304733CG	39-00-0039	†2A	18-24	* .064	* .059	
304750CG	39-00-0182	†2D	18-24 ....	.46	.44	.40
304776CG	44476-1112	†2B	18-24 ....	.32	.261	.188
304784CG	44485-1212	†2D	18-24 ....	.88	.74	.523
304813CG	39-00-0164	†2C	18-24 ....	.43	.39	.345
304872CG	39-00-0047	†2A	22-28 ....	.20	.14	.096
304899CG	39-00-0184	†2D	22-28 ....	.45	.435	.428
304910CG	39-00-0166	†2C	22-28 ....	.58	.478	.323

- Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307993CG	39-00-0038	†2A	18-24	\$140.00

.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents

Quantity SAVE

- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Contact resistance: 10mΩ

- UL rating: 94V-2
- Positive locking housings
- Voltage: 600V
- Temp.: -40°C to +150°C

- Pitch: 0.165" (4.2mm)
- Current: up to 9A
- Housing: 6/6 Nylon Natural

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

5557 Series Connector Equivalents

Receptacle Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364584CG	39-01-4030	1	3 ...	\$.20	\$.147	\$.124
364592CG	39-01-4040	1	4 .....	.33	.267	.226
364605CG	39-01-4050	1	5 .....	.33	.265	.223

Receptacle Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736CG	39-01-2020	2	2 ...	\$.27	\$.24	\$.162
364744CG	39-01-2040	2	4 .....	.20	.176	.119
364752CG	39-01-2060	2	6 .....	.38	.34	.23
364761CG	39-01-2080	2	8 .....	.43	.371	.258
364779CG	39-01-2100	2	10 .....	.42	.374	.252
364787CG	39-01-2120	2	12 .....	.47	.39	.292
364795CG	39-01-2140	2	14 .....	.70	.62	.465
364808CG	39-01-2160	2	16 .....	.59	.522	.351
364824CG	39-01-2200	2	20 .....	.75	.67	.448
364832CG	39-01-2220	2	22 .....	.99	.92	.62
364841CG	39-01-2240	2	24 .....	.90	.88	.66

5559 Series Connector Equivalents

Plugs - Panel Mount w/ Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364613CG	39-01-4032	3	3 ...	\$.24	\$.195	\$.146
364621CG	39-01-4052	3	5 .....	.32	.258	.195

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364859CG	39-01-2021	6	2 ...	\$.28	\$.273	\$.204
364867CG	39-01-2041	6	4 .....	.37	.355	.266
364875CG	39-01-2061	6	6 .....	.39	.371	.278
364883CG	39-01-2081	6	8 .....	.35	.312	.234
364891CG	39-01-2101	6	10 .....	.54	.489	.366
364904CG	39-01-2121	6	12 .....	.55	.514	.385
364912CG	39-01-2141	6	14 .....	.59	.435	.326
364921CG	39-01-2161	6	16 .....	.62	.506	.379

Plugs - Free Hanging w/o Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364630CG	39-01-4036	4	3 ...	\$.20	\$.18	\$.135
364648CG	39-01-4046	4	4 .....	.24	.196	.147
364656CG	39-01-4056	4	5 .....	.27	.22	.165

5566 Series PCB Header Equivalents

Vertical Single Row w/ Pegs & Drain Holes - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364672CG	39-30-2035	5	3 ...	\$.71	\$.466	\$.349
364681CG	39-30-2045	5	4 .....	.89	.55	.412
364699CG	39-30-2056	5	5	1.25	.76	.57

New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

5566 Series PCB Header Equivalents (Con't)

Vertical Dual Row without Pegs
without Drain Holes - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364939CG	39-28-1023	8	2 ...	\$.59	\$.516	\$.387
364947CG	39-28-1043	8	4 .....	.77	.68	.504
364955CG	39-28-1063	8	6	1.05	.88	.66
364963CG	39-28-1083	8	8	1.19	.99	.75
364971CG	39-28-1103	8	10	1.39	1.24	.93
364980CG	39-28-1123	8	12	1.49	1.29	.96
364998CG	39-28-1143	8	14	1.89	1.71	1.28
365000CG	39-28-1163	8	16	2.09	1.77	1.32
365018CG	39-28-1183	8	18	2.39	2.03	1.52
365026CG	39-28-1203	8	20	2.85	2.42	1.81
365034CG	39-28-1223	8	22	1.09	.92	.69
365042CG	39-28-1243	8	24	3.19	2.66	1.99

Vertical Dual Row without Pegs
without Drain Holes - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365051CG	39-29-0023	8	2 ...	\$.74	\$.58	\$.432
365069CG	39-29-0043	8	4 ...	1.19	1.15	.86
365077CG	39-29-0063	8	6 ...	1.45	1.20	.90
365085CG	39-29-0103	8	8 ...	2.19	2.15	1.61
365093CG	39-29-0123	8	10 ...	2.19	1.86	1.39
365106CG	39-29-0143	8	12 ...	3.19	3.15	2.36
365114CG	39-29-0163	8	14 ...	3.75	3.71	2.78
365122CG	39-29-0163	8	16 ...	3.25	2.98	2.23
365131CG	39-29-0183	8	18 ...	4.69	4.65	3.48
365149CG	39-29-0203	8	20 ...	5.29	5.25	3.93
365157CG	39-29-0223	8	22 ...	5.85	5.83	4.37
365165CG	39-29-0243	8	24 ...	6.29	5.27	3.95

5569 Series PCB Header Equivalents

Right Angle Single Row w/ Pegs - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364701CG	39-30-3035	7	3 ...	\$.85	\$.502	\$.376
364710CG	39-30-3045	7	4 .....	.79	.476	.357
364728CG	39-30-3055	7	5 .....	.99	.62	.46

Right Angle Dual Row w/ Pegs - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365173CG	39-30-1020	9	2 ...	\$.53	\$.514	\$.385
365181CG	39-30-1040	9	4 .....	.55	.419	.314
365190CG	39-30-1060	9	6 .....	.69	.521	.39
365202CG	39-30-1080	9	8 .....	.72	.62	.462
365211CG	39-30-1100	9	10 .....	.99	.76	.512
365229CG	39-30-1120	9	12 ...	1.19	.91	.62
365237CG	39-30-1140	9	14 ...	1.15	.99	.75
365245CG	39-30-1160	9	16 ...	1.55	1.19	.90
365253CG	39-30-1180	9	18 ...	1.39	1.16	.87
365261CG	39-30-1200	9	20 ...	1.49	1.28	.96
365270CG	39-30-1220	9	22 ...	2.15	1.94	1.45
365288CG	39-30-1240	9	24 ...	2.19	1.99	1.49

5569 Series PCB Header Equivalents (Con't)

Right Angle Dual Row w/ Pegs - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365325CG	39-30-1021	9	2 ...	\$ 1.39	\$ 1.18	\$.88
365333CG	39-30-1041	9	4 .....	.95	.94	.71
365341CG	39-30-1061	9	6 ...	1.09	.93	.92
365350CG	39-30-1081	9	8 ...	1.49	1.45	1.08
365368CG	39-30-1101	9	10 ...	1.55	1.32	1.25
365376CG	39-30-1121	9	12 ...	2.15	1.82	1.64
365384CG	39-30-1141	9	14 ...	2.45	2.41	1.80
365392CG	39-30-1161	9	16 ...	2.85	2.42	2.20
365405CG	39-30-1181	9	18 ...	3.25	2.76	2.55
365413CG	39-30-1201	9	20 ...	2.79	2.54	2.44
365421CG	39-30-1221	9	22 ...	4.25	4.22	3.16
365430CG	39-30-1241	9	24 ...	4.75	4.73	3.54

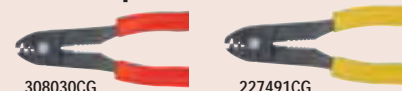
Right Angle Dual Row w/ Flanges - Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365448CG	39-29-1028	10	2 ...	\$.39	\$.348	\$.261
365456CG	39-29-1048	10	4 .....	.49	.435	.326
365464CG	39-29-1068	10	6 .....	.62	.527	.395
365472CG	39-29-1088	10	8 ...	.81	.68	.51
365481CG	39-29-1108	10	10 ...	1.65	.59	.442
365499CG	39-29-1128	10	12 ...	1.05	.94	.70
365501CG	39-29-1148	10	14 ...	1.15	.97	.72
365510CG	39-29-1168	10	16 ...	1.55	1.37	1.02
365528CG	39-29-1188	10	18 ...	1.55	1.19	1.07
365536CG	39-29-1208	10	20 ...	1.79	1.53	1.15
365544CG	39-29-1228	10	22 ...	2.95	2.60	1.95
365552CG	39-29-1248	10	24 ...	1.99	1.86	1.39

Right Angle Dual Row w/ Flanges - Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365561CG	39-39-5023	10	2 ...	\$ 1.25	\$ 1.06	\$.80
365579CG	39-39-5043	10	4 ...	1.39	1.18	.89
365587CG	39-39-5063	10	6 ...	2.25	1.98	1.36
365595CG	39-39-5083	10	8 ...	2.29	1.94	1.45
365608CG	39-39-5103	10	10 ...	1.79	1.70	1.27
365616CG	39-39-5123	10	12 ...	3.05	2.75	2.06
365624CG	39-39-5143	10	14 ...	3.89	3.30	2.47
365632CG	39-39-5163	10	16 ...	4.69	3.97	2.97
365641CG	39-39-5183	10	18 ...	3.45	3.10	2.32
365659CG	39-39-5203	10	20 ...	3.95	3.35	2.51
365667CG	39-39-5223	10	22 ...	4.45	4.42	3.31
365675CG	39-39-5243	10	24 ...	4.75	4.50	3.37

Hand Crimp Tools for Mini-Fit Jr.



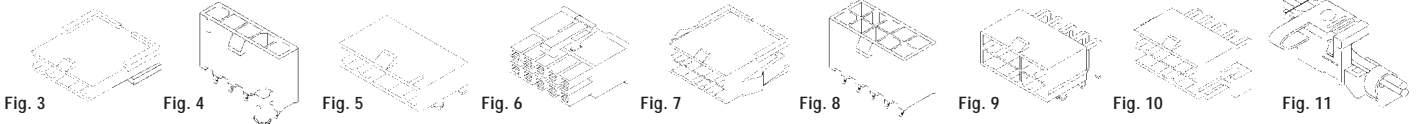
308030CG: Cuts & strips 14-24 AWG wires
227491CG: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030CG	W-HT-1919	8.3"L	Red	\$14.99	\$13.99
227491CG	W-HT-1921	8.3"L	Yellow	14.99	13.99



.165" (4.2mm) Mini-Fit Jr. Connectors

- Use with strain relief or overmold applications
- UL/CSA/TUV approved
- Uses standard Mini-Fit series terminals
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Housing: 6/6 nylon natural, UL 94V-2 rated



Single Row Receptacles and Plugs

Receptacles

Part No.	Product No.	Fig.	Pos.	1	10	100
303765CG	39-01-4030	1	3	....\$ .43	\$.319	\$.203
303773CG	39-01-4040	1	4	....\$ .40	\$.318	\$.268
303781CG	39-01-4050	1	5	....\$ .39	\$.315	\$.265

Panel Mount Plugs w/ Mounting Ears

303790CG	39-01-4032	2	3	....\$ .46	\$.414	\$.276
303829CG	39-01-4052	2	5	....\$ .38	\$.307	\$.258

Panel Mount Plugs w/o Mounting Ears

303802CG	39-01-4036	3	3	....\$ .37	\$.302	\$.254
303811CG	39-01-4046	3	4	....\$ .49	\$.404	\$.295
303837CG	39-01-4056	3	5	....\$ .53	\$.461	\$.329

Single Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/ Pegs

Part No.	Product No.	Fig.	Pos.	1	10	100
304565CG	39-30-1039	4	3	....\$ .90	\$.537	\$.433
304573CG	39-30-2035	4	3	....\$ .91	\$.55	\$.448
304581CG	39-30-2045	4	4	....\$ 1.49	1.24	\$.88
304590CG	39-30-2056	4	5	....\$ 1.55	\$.90	\$.72

Right Angle Headers w/ Pegs

304602CG	39-30-3035	5	3	....\$ 1.02	\$.59	\$.482
304611CG	39-30-3045	5	4	....\$ 1.05	\$.96	\$.542
304629CG	39-30-3055	5	5	....\$ 1.55	1.35	\$.89

Double Row Receptacles

Part No.	Product No.	Fig.	Pos.	1	10	100
303562CG	39-01-2020	6	2	....\$ .27	\$.215	\$.162
303571CG	39-01-2040	6	4	....\$ .41	\$.341	\$.232
303589CG	39-01-2060	6	6	....\$ .40	\$.361	\$.243
303597CG	39-01-2080	6	8	....\$ .45	\$.406	\$.274
303600CG	39-01-2100	6	10	....\$ .50	\$.445	\$.299
303618CG	39-01-2120	6	12	....\$ .56	\$.501	\$.336
303626CG	39-01-2140	6	14	....\$ .69	\$.61	\$.415
303634CG	39-01-2160	6	16	....\$ .72	\$.62	\$.417
303642CG	39-01-2180	6	18	....\$ .81	\$.72	\$.485
303651CG	39-01-2200	6	20	....\$ .89	\$.79	\$.532
303669CG	39-01-2220	6	22	....\$ 1.39	1.09	\$.95
303677CG	39-01-2240	6	24	....\$ .99	\$.89	\$.59

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Pos.	1	10	100
303685CG	39-01-2021	7	2	....\$ .32	\$.264	\$.193
303693CG	39-01-2041	7	4	....\$ .47	\$.392	\$.267
303706CG	39-01-2061	7	6	....\$ .51	\$.364	\$.268
303714CG	39-01-2081	7	8	....\$ .42	\$.371	\$.25
303722CG	39-01-2101	7	10	....\$ .50	\$.445	\$.299
303731CG	39-01-2121	7	12	....\$ .51	\$.454	\$.305
303749CG	39-01-2141	7	14	....\$ .70	\$.517	\$.399
303757CG	39-01-2161	7	16	....\$ .75	\$.59	\$.49

Double Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/o Pegs – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
303845CG	39-28-1023	8	2	....\$ .68	\$.415	\$.344
303853CG	39-28-1043	8	4	....\$ .89	\$.76	\$.55
303861CG	39-28-1063	8	6	....\$ 1.19	\$.95	\$.65
303870CG	39-28-1083	8	8	....\$ 1.39	1.19	\$.85
303888CG	39-28-1103	8	10	....\$ 1.65	1.45	\$.96
303896CG	39-28-1123	8	12	....\$ 1.79	1.27	\$.89
303909CG	39-28-1143	8	14	....\$ 2.25	1.98	1.39
303917CG	39-28-1163	8	16	....\$ 2.49	2.11	1.46
303925CG	39-28-1183	8	18	....\$ 2.89	2.56	1.71
303933CG	39-28-1203	8	20	....\$ 3.39	2.95	2.01
303941CG	39-28-1223	8	22	....\$ 3.15	2.46	1.68
303950CG	39-28-1243	8	24	....\$ 3.79	3.16	2.25

Vertical Headers w/o Pegs – Gold Plated, 30μ"

303968CG	39-29-0023	8	2	....\$ .89	\$.69	\$.59
303976CG	39-29-0043	8	4	....\$ 2.05	1.81	1.07
303984CG	39-29-0063	8	6	....\$ 3.29	2.85	2.00
303992CG	39-29-0083	8	8	....\$ 4.45	3.97	2.65
304004CG	39-29-0103	8	10	....\$ 5.05	4.47	2.99
304012CG	39-29-0123	8	12	....\$ 5.65	5.22	3.49
304021CG	39-29-0143	8	14	....\$ 6.85	6.08	4.07
304039CG	39-29-0163	8	16	....\$ 7.75	6.87	4.59
304047CG	39-29-0183	8	18	....\$ 8.65	7.68	5.14
304055CG	39-29-0203	8	20	....\$ 9.15	8.12	5.43
304063CG	39-29-0223	8	22	....\$ 10.55	9.30	6.22
304071CG	39-29-0243	8	24	....\$ 11.49	10.58	6.76

Right Angle Headers w/ Pegs – Tin Plated

304080CG	39-30-1020	9	2	....\$ .64	\$.61	\$.51
304098CG	39-30-1040	9	4	....\$ .65	\$.49	\$.47
304101CG	39-30-1060	9	6	....\$ .82	\$.62	\$.59
304119CG	39-30-1080	9	8	....\$ .98	\$.74	\$.71
304127CG	39-30-1100	9	10	....\$ 1.19	\$.91	\$.85
304135CG	39-30-1120	9	12	....\$ 2.49	2.16	1.47
304143CG	39-30-1140	9	14	....\$ 2.75	2.38	1.62
304151CG	39-30-1160	9	16	....\$ 3.05	2.35	1.70
304160CG	39-30-1180	9	18	....\$ 3.39	3.05	2.05
304178CG	39-30-1200	9	20	....\$ 3.95	3.49	2.33
304186CG	39-30-1220	9	22	....\$ 4.45	3.92	2.61
304194CG	39-30-1240	9	24	....\$ 4.95	4.39	2.92

Strain Reliefs

- Voltage: 600V • Current: 9A
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.

Part No.	Product No.	Fig.	Pos.	1	10	100
304637CG	15-04-0296	11	6	....\$ 1.05	\$.99	\$.95
304645CG	15-04-0343	11	8	....\$ 1.14	1.08	\$.98
304653CG	15-04-0345	11	12	....\$ 1.15	1.09	\$.99

Fig. 1

Fig. 2

Fig. 9

Fig. 10

Fig. 11

Double Row Headers (Continued)

Right Angle Headers w/ Pegs – Gold Plated, 30μ"

Part No.	Product No.	Fig.	Pos.	1	10	100
304207CG	39-30-1021	9	2	....\$ 1.69	\$.150	\$.100
304215CG	39-30-1041	9	4	....\$ 2.15	1.90	1.26
304223CG	39-30-1061	9	6	....\$ 2.65	2.36	1.57
304231CG	39-30-1081	9	8	....\$ 3.19	2.85	1.90
304240CG	39-30-1101	9	10	....\$ 3.85	3.39	2.26
304258CG	39-30-1121	9	12	....\$ 3.29	3.25	2.65
304266CG	39-30-1141	9	14	....\$ 5.25	4.67	3.12
304274CG	39-30-1161	9	16	....\$ 6.05	5.41	3.60
304282CG	39-30-1181	9	18	....\$ 4.55	4.39	3.44
304291CG	39-30-1201	9	20	....\$ 7.25	6.47	4.31
304303CG	39-30-1221	9	22	....\$ 8.65	7.70	5.13
304311CG	39-30-1241	9	24	....\$ 10.15	9.05	6.03

Right Angle Headers w/ Flange – Tin Plated

304320CG	39-29-1028	10	2	....\$ .55	\$.42	\$.39
304338CG	39-29-1048	10	4	....\$ .69	\$.52	\$.49
304346CG	39-29-1068	10	6	....\$ .89	\$.68	\$.65
304354CG	39-29-1088	10	8	....\$ 1.05	\$.79	\$.75
304362CG	39-29-1108	10	10	....\$ 1.85	1.55	1.16
304371CG	39-29-1128	10	12	....\$ 2.15	1.81	1.36
304389CG	39-29-1148	10	14	....\$ 2.69	2.23	1.63
304397CG	39-29-1168	10	16	....\$ 2.69	2.46	1.84
304400CG	39-29-1188	10	18	....\$ 3.15	2.82	1.88
304418CG	39-29-1208	10	20	....\$ 3.75	3.32	2.21
304426CG	39-29-1228	10	22	....\$ 3.85	3.41	2.28
304434CG	39-29-1248	10	24	....\$ 4.69	3.97	2.78

Right Angle Headers w/ Flange – Gold Plated, 30μ"

304442CG	39-29-5023	10	2	....\$ 1.65	\$.143	\$.96
304451CG	39-29-5043	10	4	....\$ 1.85	1.64	1.10
304469CG	39-29-5063	10	6	....\$ 2.75	2.38	1.62
304477CG	39-29-5083	10	8	....\$ 3.09	2.75	1.83
304485CG	39-29-5103	10	10	....\$ 4.09	3.65	2.43
304493CG	39-29-5123	10	12	....\$ 4.15	3.66	2.44
304506CG	39-29-5143	10	14	....\$ 5.15	4.55	3.04
304514CG	39-29-5163	10	16	....\$ 5.89	5.22	3.49
304522CG	39-29-5183	10	18	....\$ 6.75	5.99	4.01
304531CG	39-29-5203	10	20	....\$ 7.29	6.47	4.32
304549CG	39-29-5223	10	22	....\$ 8.65	7.68	5.13
304557CG	39-29-5243	10	24	....\$ 8.65	8.18	5.47

Ⓢ Blue Part No. = Limited Quantity Available



Hand Tools for Mini-Fit Jr.




304928CG: Crimp tool wire range from 14-24 AWG

304936CG: Extraction tool

Part No.	Product No.	1	5
304928CG	63811-1000	\$42.99	\$39.99
304936CG	11-03-0044	19.99	18.99



.200" (5.08mm) Pitch PC Board Connectors

Bottom Entry

- Voltage: 250V • Current: 7.0A
- Sizes: 3 to 6 circuits
- Nylon 6/6, UL 94V-2
- Temp. range: -40° to 105°C
- Contact resistance: 8mΩ max.
- Dielectric withstand voltage: 1500VAC min.



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See Our Complete .200" Connector Offering at
www.Jameco.com/Prod/Molex200



HCS-125 .330" (8.38mm) Pitch Pin and Socket Receptacle/Plug Housing

- Meets the need for a connector system rated at greater than the industry standard 12A per circuit
- Enhanced version of 0.125" connectors
- Positive locks
- Fully isolated terminals
- Voltage: 600V
- Current: 20A
- Dielectric withstanding voltage: 1500VACrms
- Housing: nylon UL94V-2 rated
- Accommodates wires 18-10AWG



462504CG

Receptacle Housing

Part No.	Product No.	Pos.	1	10	100
462483CG	03-12-1026♣	2	..... \$ .53	..... \$ .494	..... \$ .447
462491CG	03-12-1036♣	3	..... .75	..... .69	..... .523
462504CG	03-12-1046♣	4	..... .75	..... .71	..... .494

Plug Housing Panel Mount

Part No.	Product No.	Pos.	1	10	100
462521CG	03-12-2015♣	1	..... \$1.21	..... \$1.15	..... \$ .97
462555CG	03-12-2025♣	2	..... .69	..... .63	..... .469
462571CG	03-12-2035♣	3	..... 1.14	..... .81	..... .61
462598CG	03-12-2045♣	4	..... .43	..... .411	..... .391

Plug Housing Free Hanging



Part No.	Product No.	Pos.	1	10	100
462539CG	03-12-2016♣	1	..... \$ .30	..... \$ .282	..... \$ .212
462563CG	03-12-2026♣	26557428
462580CG	03-12-2036♣	3 1.47 1.0378
462601CG	03-12-2046♣	47571523

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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Cinch

Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded mono-block, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Operating voltage: 250 VAC RMS maximum
- Hood material: UL 94V-0 rated thermoplastic
- Current rating: 10 amps
- Contact plating: cadmium
- Contact resistance: 16mΩ max.



445819CG



445940CG



248786CG



248823CG



428040CG



428058CG



428066CG



445798CG



445878CG



428162CG

Plugs with Hood and 90° Clamp

Part No.	Product No.	Contacts	1	25
445819CG	P-302-CCE♣	2	..... \$2.09	..... \$1.96
445991CG	P-315-CCE♣	15	..... 5.95	..... 5.51
446037CG	P-318-CCE♣	18	..... 5.49	..... 5.04

Socket with Hood and 90° Clamp

Part No.	Product No.	Contacts	1	25
427987CG	S-318-CCE♣	18	..... \$6.65	..... \$6.13

Plugs with Locks and 180° Clamp

Part No.	Product No.	Contacts	1	25
445827CG	P-302-CCT-L♣	2	..... \$4.79	..... \$4.33
445940CG	P-306-CCT-L♣	6	..... 6.45	..... 5.84
446002CG	P-315-CCT-L♣	15	..... 7.39	..... 6.67

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248760CG	P-302-CCT	2	..... \$2.15	..... \$1.96
248778CG	P-303-CCT	3	..... 2.39	..... 2.15
248786CG	P-304-CCT	4	..... 3.09	..... 2.49
248794CG	P-306-CCT	6	..... 2.89	..... 2.62
445966CG	P-312-CCT	12	..... 4.69	..... 4.20
445982CG	P-315-CCT	15	..... 6.45	..... 5.84
446029CG	P-318-CCT♣	18	..... 6.05	..... 5.44
446053CG	P-321-CCT♣	21	..... 9.89	..... 8.93
446070CG	P-324-CCT♣	24	..... 8.95	..... 8.14

Sockets with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248807CG	S-302-CCT	2	..... \$2.29	..... \$2.11
248815CG	S-303-CCT	3	..... 2.69	..... 2.43
248823CG	S-304-CCT	4	..... 2.69	..... 2.46
248831CG	S-306-CCT	6	..... 3.09	..... 2.80
427952CG	S-315-CCT	15	..... 7.05	..... 6.34
427995CG	S-321-CCT♣	21	..... 10.55	..... 9.65
428007CG	S-327-CCT♣	27	..... 9.09	..... 8.39
428242CG	S-330-CCT♣	30	..... 10.49	..... 9.46
428218CG	S-333-CCT♣	33	..... 13.29	..... 12.61

Sockets with Keepers and 180° Clamp

Part No.	Product No.	Contacts	1	25
428015CG	S-302-CCT-K♣	2	..... \$4.39	..... \$3.97
428040CG	S-303-CCT-K♣	3	..... 4.95	..... 4.46
428111CG	S-304-CCT-K♣	4	..... 4.59	..... 4.13
428154CG	S-306-CCT-K♣	6	..... 5.05	..... 4.52

Plugs with Angle Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
445771CG	P-302-AB♣	2	..... \$1.55	..... \$1.38
445843CG	P-303-AB♣	3	..... 1.55	..... 1.43
445860CG	P-304-AB	4	..... 1.79	..... 1.59
445907CG	P-306-AB	6	..... 2.09	..... 1.92
445974CG	P-315-AB♣	15	..... 4.45	..... 4.02

Sockets with Angle Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
428023CG	S-302-AB♣	2	..... \$1.46	..... \$1.37
428058CG	S-303-AB♣	3	..... 1.39	..... 1.28
428120CG	S-304-AB	4	..... 1.89	..... 1.76
428171CG	S-306-AB	6	..... 2.49	..... 2.32

Socket w/ Less Angle Bracket & 180° Clamp

Part No.	Product No.	Contacts	1	25
428066CG	S-303-LAB♣	3	..... \$ .85	..... \$ .77

Plug with Recessed Plate and 180° Clamp

Part No.	Product No.	Contacts	1	25
445798CG	P-302-RP♣	2	..... \$3.49	..... \$3.29

Socket with Recessed Plate and 180° Clamp

Part No.	Product No.	Contacts	1	25
428082CG	S-304-RP♣	4	..... \$3.25	..... \$3.00

Plugs with Deep Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
445878CG	P-304-DB♣	4	..... \$4.75	..... \$4.25
445915CG	P-306-DB♣	6	..... 4.95	..... 4.47
446011CG	P-318-DB♣	18	..... 5.35	..... 4.87

Sockets with Deep Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
428162CG	S-306-DB♣	6	..... \$4.25	..... \$3.86
428251CG	S-318-DB♣	18	..... 6.75	..... 6.26
428269CG	S-327-DB♣	27	..... 8.89	..... 8.16

Replacement Drive Pins Series

- With cable clamps and caps



448569CG

Part No.	Prod. No.	Contacts	Length	1	25
448551CG	302R♣	2	0.687"	..... \$ .68	..... \$ .57
448569CG	304R♣	4/6/8/10	0.718"	..... .43	..... .411

Cinch Jones Plugs and Sockets

Series 2400 Multiple-Density Solder-Eyelet Connectors



- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VACrms
- Contact plating: cadmium
- Socket contacts have solder eyelets with 0.093" diameter
- Plug prongs are 0.250" wide and 0.55" thick
- For use in cable-to-cable & cable-to-panel applications
- Insulation material: molded monoblock, general purpose phenolic, black
- Contact material: plug-brass; socket-phosphor bronze
- Hood material: formed metal with dielectric liner

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
428234CG	P-2406-CCT	6	\$7.95	\$7.39
428197CG	P-2408-CCT	8	10.39	9.48
427944CG	P-2412-CCT	12	8.75	8.13

Sockets with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
428226CG	S-2402-CCT	2	\$7.25	\$6.87
444681CG	S-2406-CCT	6	8.45	7.45
444699CG	S-2408-CCT	8	7.39	6.76
444648CG	S-2410-CCT	10	7.49	6.84
444672CG	S-2412-CCT	12	12.29	11.21

Plugs with Angle Bracket

Part No.	Product No.	Contacts	1	25
428277CG	P-2406-AB	6	\$8.15	\$7.41

Socket with Angle Bracket

Part No.	Product No.	Contacts	1	25
444701CG	S-2408-AB	8	\$8.45	\$7.63

Plug with Deep Bracket

Part No.	Product No.	Contacts	1	25
428091CG	P-2404-DB	4	\$4.89	\$4.58

Socket with Deep Bracket

Part No.	Product No.	Contacts	1	25
444664CG	S-2412-DB	12	\$6.99	\$6.47

Socket with Shallow Bracket

Part No.	Product No.	Contacts	1	25
444656CG	S-2412-SB	12	\$6.49	\$6.00

Plug with Less Angle Bracket

Part No.	Product No.	Contacts	1	25
428189CG	P-2406-LAB	6	\$2.95	\$2.70

Socket with Less Angle Bracket



Part No.	Product No.	Contacts	1	25
444904CG	S-2406-LAB	6	\$3.25	\$2.96

AMP Insertion Tool

- For use with Universal Mate-N-Lok II Terminals

Part No.	Product No.	1	10
527734CG	91002-1	\$19.19	\$18.22

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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

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.098"-Pitch AT Power Connectors for Motherboards & Power Supplies

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min.
- Withstanding volt.: 1500V/min.

78300CG: AMP60G male 6-pin PCB mount connector

- Material of post: tin-plated brass
- Diameter of post: 0.09"

78326CG: AMP50G female 6-pin housing connector • Material: nylon

78318CG: AMP501T terminal pin • Material: tin-plated brass



* Minimum order 10 pieces

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
78300CG	6-pin male connector	0.93"	0.37"	0.57"	—	—	\$.45	\$.39	\$.35	\$.31
78326CG	6-pin housing connector	0.94"	0.25"	0.74"	—	78300CG	.35	.31	.28	.25
78318CG	Power terminal pin, F	0.69"	—	—	0.09"	78326CG	*	.11	.08	.07

.118"-Pitch ATX Power Connectors for Motherboards & Power Supplies

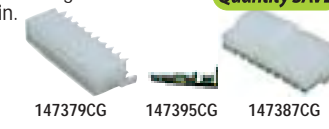
- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min.
- Withstanding volt.: 1500V/min.

147379CG: ATX male 20-pin edge mount connector

- Material: nylon 66, UL-94VO

147387CG: Housing connector • Material: nylon 66, UL-94VO

147395CG: ATX power terminal pins • Material: tin-plated brass



* Minimum order 10 pieces

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379CG	20-pin male connector	1.7"	0.4"	0.6"	—	—	\$.59	\$.53	\$.48	\$.36
147387CG	20-pin housing connector	1.7"	0.4"	0.8"	—	147395CG	.59	.53	.48	.36
147395CG	Power terminal pin, F	0.59"	—	—	0.068"	147387CG	*	.12	.11	.10

Power Connectors and Pins

Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

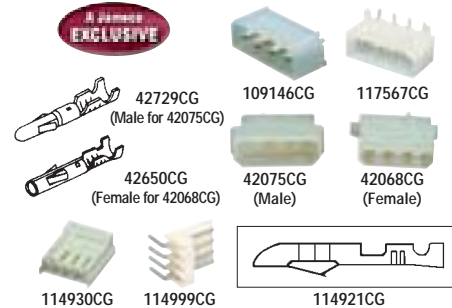
- Material: tin plated brass
- Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99442CG, pg 311

- Minimum order 10 pieces

For 5.25" Disk Drives and Power Supplies

42075CG & 42068CG Connector Housings:

- 0.200" pitch
- Keyed mating connectors
- External key bar indicates pin 1
- See pg 133 for extraction tools, 131887CG & 131879CG



Minimum order 10 pieces

Part No.	Description	Blue Part No. = Limited Quantity Available	10	100	1000
109146CG	4-pin M vert. PCB mtg		\$.65	\$.59	\$.53
117567CG	4-pin M PCB mounting, horizontal edge mount		.85	.72	.65
42075CG	4-pin M housing		.12	.11	.10
42068CG	4-pin F housing		.20	.15	.13
42729CG	M crimp pin for 42075CG		.10	.07	.06
42650CG	F crimp pin for 42068CG		.10	.07	.06

For 3.5" Disk Drives and Power Supplies

- 0.100" pitch

Part No.	Description	10	100	1000
114930CG	4-pin F housing	\$.19	\$.17	\$.15
114921CG	F crimp pin for 114930CG	.11	.095	.08

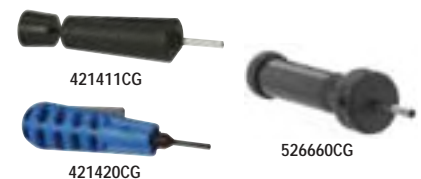
Part No.	Description	Blue Part No. = Limited Quantity Available	1	100	1000
114999CG	4-pin M rt. angle PCB mtg		\$.35	\$.31	\$.28

AMP

Extraction Tools

- 421411CG: Use w/ mini universal Mate-N-Lok contacts
- 421420CG: Use with universal Mate-N-Lok contacts
- 526660CG: Use with miniature rectangular connectors

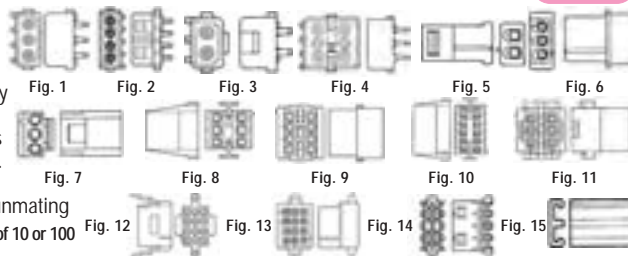
Part No.	Product No.	1	10
421411CG	189727-1	\$17.99	\$17.15
421420CG	318851-1	42.29	40.16
526660CG	455822-2	19.99	18.97



AMP Commercial MATE-N-LOK™ Connectors & Terminals

- Fully polarized nylon housing
- Voltage rating: 350VAC or VDC
- UL94V-2 rated housing
- Hot side egg crate design for safety
- Dielectric withstanding voltage: 1.5KVAC between adjacent circuits
- Insulation resistance: 500MΩ min. initial between adjacent circuits
- Durability: 50 cycles, mating and unmating

* Prepackaged: please order in increments of 10 or 100



PCB In-Line Vert. Pin Header w/ Detent Lock (Fig. 1)

Part No.	Product No.	Positions	1	10	100
421340CG	350209-1	2	\$.41	\$.36	\$.32
679607CG	350210-1	3	\$.56	\$.54	\$.523
421358CG	350211-1	4	\$.65	\$.59	\$.534
679674CG	350214-1	16	\$.95	\$.90	\$.86

PCB In-Line Vert. Socket Header w/ Detent (Fig. 2)

Part No.	Product No.	Positions	1	25	50
679682CG	770997-1	4	\$.96	\$.91	\$.87

PCB In-Line Vert. Pin Header w/ Positive Lock (Fig. 3)

Part No.	Product No.	Positions	1	25	50
679586CG	350539-1	2	\$.46	\$.44	\$.418
679594CG	350541-1	3	\$.22	\$.16	\$.12
679615CG	350543-1	4	\$.03	\$.98	\$.93

PCB Dual Row Vertical Pin Header w/ Positive Lock (Fig. 4)

Part No.	Product No.	Positions	1	25	50
679623CG	350425-1	6 (2 x 3)	\$1.65	\$1.47	\$1.31
679631CG	350212-1	8 (2 x 4)	\$.83	\$.79	\$.77
679640CG	1-380991-0	10 (2 x 5)	2.15	2.04	1.95
679658CG	350213-1	12 (2 x 6)	2.15	2.04	1.95
679666CG	350214-1	16 (2 x 8)	2.69	2.56	2.40

In-Line Housing Plug, Free Hanging (Fig. 5)

Part No.	Product No.	Positions	1	10	100
527013CG	1-480349-0	1	\$.104	\$.079	
527056CG	1-480318-0	2	\$.132	\$.099	
527099CG	1-480303-0	3	\$.27	\$.171	
527101CG	1-480424-0	4	\$.27	\$.183	
679383CG	770827-1	4	\$.35	\$.314	

In-Line Housing Cap, Free Hanging (Fig. 6)

Part No.	Product No.	Positions	1	10	100
679308CG	1-480350-0	1	\$.20	\$.105	\$.091
679316CG	1-480351-0	1	\$.20	\$.10	\$.09
527187CG	1-480319-0	2	\$.133	\$.10	
679324CG	1-480305-0	3	\$.21	\$.207	\$.19
527195CG	1-480426-0	4	\$.26	\$.239	\$.217

In-Line Housing Plug, Free Hanging w/ Positive Lock (Fig. 7)

Part No.	Product No.	Positions	1	10	100
527064CG	1-480720-2	2	\$.47	\$.42	\$.317
679367CG	1-480721-0	3	\$.73	\$.71	\$.70
527110CG	1-480425-0	4	\$.45	\$.402	\$.329
679375CG	1-480722-0	4	\$.90	\$.85	\$.81

Dual Row Housing Plug w/ Positive Lock (Fig. 8)

Part No.	Product No.	Positions	1	10	100
527144CG	1-480270-0	6 (2 x 3)	\$.53	\$.484	\$.365
679391CG	1-480283-0	8 (2 x 3)	\$.43	\$.41	\$.39
679404CG	1-480285-0	10 (2 x 5)	\$.85	\$.81	\$.77

Place your order by 6PM EST for same business-day shipment.

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Dual Row Housing Cap w/ Positive Lock (Fig. 9)

Part No.	Product No.	Positions	1	25	50
679332CG	1-480340-0	6 (2 x 3)	\$.63	\$.62	\$.56
679341CG	1-480345-0	8 (2 x 4)	\$.65	\$.63	\$.61
679359CG	1-480339-0	10 (2 x 5)	\$.85	\$.82	\$.75

Motor Mount, Dual Row Plug w/ Positive Lock (Fig. 10)

Part No.	Product No.	Positions	1	25	50
679412CG	1-480287-0	12 (2 x 6)	\$1.12	\$1.04	\$1.02
679421CG	1-480438-0	16 (2 x 8)	1.55	1.47	1.39

Motor Mount, Dual Row Cap w/ Positive Lock (Fig. 11)

Part No.	Product No.	Positions	1	25	50
679527CG	1-480271-0	6 (2 x 3)	\$.75	\$.69	\$.66
679535CG	1-480284-0	8 (2 x 4)	1.16	1.10	1.06
679543CG	1-480286-0	10 (2 x 5)	1.13	1.07	1.02
679551CG	1-480288-0	12 (2 x 6)	1.59	1.46	1.39
679560CG	1-480439-0	16 (2 x 8)	1.16	1.10	1.06

Panel Mount Housing Plug w/ Positive Lock (Fig. 12)

Part No.	Product No.	Positions	1	25	50
679471CG	1-480304-0	3 (1 x 3)	\$.23	\$.225	\$.219
679480CG	1-480273-0	6 (3 x 2)	\$.70	\$.67	\$.65
679498CG	1-480274-0	9 (3 x 3)	\$.77	\$.73	\$.71
679501CG	1-480275-0	12 (3 x 4)	\$.91	\$.88	\$.85
679519CG	1-480323-0	15 (3 x 5)	1.49	1.41	1.35

Panel Mount Housing Cap w/ Positive Lock (Fig. 13)

Part No.	Product No.	Positions	1	25	50
679439CG	1-480276-0	6 (3 x 2)	\$.40	\$.38	\$.371
679447CG	1-480277-0	9 (3 x 3)	\$.71	\$.68	\$.66
679455CG	1-480278-0	12 (3 x 4)	\$.78	\$.77	\$.76
679463CG	1-480324-0	15 (3 x 5)	1.32	1.25	1.20

Vertical In-Line IDC (Fig. 14)

Part No.	Product No.	Positions	1	25	50
679691CG	770156-4	4 (20AWG)	\$.52	\$.50	\$.485
679703CG	770156-3	4 (18AWG)	\$.52	\$.50	\$.485

IDC Dust Covers (Fig. 15)

Part No.	Product No.	Positions	1	25	50
679711CG	770232-1	4 (Feed-to)	\$.20	\$.169	\$.161
679720CG	770233-1	4 (Feed-thru)	\$.20	\$.169	\$.160

Crimp Terminals

- Material: A—brass pre-tin; B—phosphor bronze pre-tin; C—brass, gold

Part No.	Product No.	Type	AWG	Material	10	100
526150CG	60617-1	Socket 24-18	A	\$.093	\$.084	
526109CG	60617-4	Socket 24-18	B	\$.171	\$.162	
526133CG	60618-1	Pin 24-18	A	\$.102	\$.093	
526096CG	60618-4	Pin 24-18	B	\$.139	\$.126	
679578CG	60618-5	Pin 24-18	C	\$.83	\$.81	
526168CG	60619-1	Socket 20-14	A	\$.086	\$.076	
526125CG	60620-1	Pin 20-14	A	\$.091	\$.083	
526141CG	61117-1	Socket 20-14	A	\$.029	\$.027	
526117CG	61118-1	Pin 20-14	A	\$.028	\$.025	

♣ Blue Part No. = Limited Quantity Available

AMP AMPMODU™ .100" (2.54mm) Receptacles

Double Row, .100" Center Line

- Center polarized
- Wire to board
- Black thermoplastic, flame retardant



Part No.	Product No.	Positions	1	10	25
496309CG	102387-1	10	\$1.34	\$1.28	\$1.22
496165CG	102387-3	16	1.99	1.81	1.70
496173CG	102387-4	20	2.09	1.90	1.71
496181CG	102387-6	26	2.45	2.28	2.13
496190CG	102387-8	34	3.15	2.88	2.70
496202CG	102387-9	40	3.19	2.91	2.78

Single Row, .100" Center Line

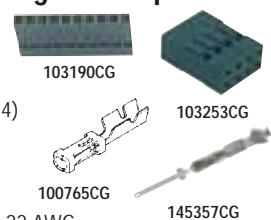
- Non-polarized
- Wire to board
- Black thermoplastic, flame retardant



Part No.	Product No.	Positions	1	10	100
526871CG	87499-3	2	\$.99	\$.94	\$.89
526889CG	87499-5	3	\$.64	\$.61	\$.59
526897CG	87499-7	4	\$.56	\$.534	\$.521
526900CG	57499-9	5	\$.47	\$.427	\$.304
526854CG	87456-6	10	1.25	1.17	1.09

.100" Non-Polarized Connector Housings & Crimp Pins

- Mates with 0.025" square post on pattern of 0.100" centers (male headers, see pg 134)
- Current rating: 1A
- Plastic
- Pin material: brass/tin plated
- Pin wire gauge: 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159266CG pin crimper, pg 311 and 100765CG, below



♣ Blue Part No. = Limited Quantity Available

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100811CG	SCH2	2	\$.26	\$.23	\$.21	\$.17
157382CG	SCH3	3	\$.27	\$.24	\$.22	\$.18
100802CG	SCH4	4	\$.28	\$.25	\$.23	\$.19
163686CG	SCH5	5	\$.30	\$.27	\$.25	\$.22
103211CG	SCH6	6	\$.34	\$.31	\$.27	\$.21
103202CG	SCH8	8	\$.39	\$.35	\$.29	\$.25
103190CG	SCH10	10	\$.42	\$.39	\$.36	\$.31
103181CG	SCH20	20	\$.49	\$.45	\$.39	\$.35
103157CG	SCH36	36	\$.49	\$.45	\$.39	\$.35

Double Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
103253CG	DCH8	8	\$.59	\$.53	\$.45	\$.39
157420CG	DCH10	10	\$.69	\$.62	\$.55	\$.49
157438CG	DCH14	14	\$.73	\$.71	\$.69	\$.59
103237CG	DCH16	16	\$.79	\$.71	\$.64	\$.58
103229CG	DCH20	20	\$.99	\$.89	\$.79	\$.69
157462CG	DCH40	40	1.09	\$.99	\$.89	\$.75
157471CG	DCH50	50	\$.65	\$.59	\$.53	\$.48

Crimp Pins for Single/Double Row Housings

* Minimum order 10 pieces

Part No.	Cross Ref.	Contacts	1	10	100	1000
100765CG	FCH1	Female pin	\$.14	\$.11	\$.07	
145357CG	MCH1	Male pin	\$.15	\$.135	\$.12	

JAMECO ValuePro .100" Low Profile Keyed Shrouded Header & Connector CD-ROM 4-Pin Headers and Connector



- Voltage rating: 250V AC/DC
- Current rating: 3A AC/DC
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding voltage: 1000V AC/ 1 minute
- Pin material: tin-plated brass
- Recommended crimp tool P/N 99442CG, pg 311

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100	1000
152741CG	Straight header	.45	.39	.35	.262
152725CG	Rt. angle header	.55	.50	.45	.40
152733CG	Single w/ latch	.35	.292	.24	.18
181673CG	Female pins	.20	.11	.08	.06

† P/N 152733CG requires 4 pins (P/N 181673CG)

JAMECO ValuePro .100" Low-Profile Male Shrouded Headers

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized, CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, pg 149



68179CG

Straight Male Headers

Part No.	Description	1	10	100	1000
67811CG	10-pin	.39	.35	.32	.28
68179CG	16-pin	.44	.40	.35	.32
68292CG	20-pin	.49	.47	.39	.23
68372CG	26-pin	.54	.42	.35	.21
68582CG	34-pin	.79	.65	.46	.31
181105CG	40-pin	.75	.60	.45	.315

Other Manufacturers — Great Deals

Right Angle Male Header

Part No.	Description	1	10	100	1000
211182CG	26-pin	.22	.20	.18	.17

AMP Pistol Hand Grip Tool

- Use with AMPMODU IDC Connectors • Manual tool



Part No.	Product No.	1	10
526643CG	465644-1	\$12.39	\$11.76

H IDC Connector Crimping Tool

- Crimping distance: 27.5mm to 6mm (with attachment)
- Cushioned red handles
- Use for IDC socket connectors
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
73251CG	HT214	\$15.95	\$14.39	\$12.95

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

JAMECO ValuePro .100" & 2mm IDC Socket Connectors

Double Row

- Mates with 2 rows of .025" Sq. or Dia. posts on patterns of .100" centers (male headers, see below)
- Industry standard IDC socket (plastic)
- Temperature rating: -55°C to +105°C
- Use crimping P/N 73251CG, pg 149



32563CG

Blue Part No. = Limited Quantity Available

Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32492CG	S10	10	.29	.25	.19	.15
153947CG	S14	14	.32	.27	.21	.16
119466CG	S16	16	.35	.29	.22	.17
32521CG	S20	20	.39	.32	.25	.18
32563CG	S26	26	.45	.35	.29	.19
32643CG	S34	34	.49	.39	.35	.25
32678CG	S40	40	.55	.45	.39	.29
100386CG	IDC440	44 (2mm)	.99	.89	.71	.53
32707CG	S50	50	.65	.55	.45	.35
32759CG	S60	60	.75	.68	.61	.50

*2mm pin spacing

Non-Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376CG	SN10	10	.35	.32	.28	.24
138325CG	SN20	20	.45	.40	.36	.28
138333CG	SN26	26	.39	.35	.32	.24
138341CG	SN34	34	.45	.40	.35	.28
138350CG	SN40	40	.49	.45	.39	.29
138368CG	SN50	50	.65	.59	.467	.35

JAMECO ValuePro .100" (2.5mm) Straight Male Headers

With Standard Latch

Double Row

- 0.1" contact center
- Mount vertical
- Keying slot
- Use with IDC socket connectors, above



71829CG

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100	500
117663CG	10-pin	\$1.29	\$1.16	.99	.61
71829CG	20-pin	1.39	1.25	1.13	.95
71933CG	26-pin	1.49	1.25	.99	.89
72215CG	50-pin	1.85	1.65	1.49	1.35

Other Manufacturers — Great Deals

687720CG	14-pin	\$1.31	\$1.17	\$1.03	.94
687711CG	40-pin	1.59	1.39	1.09	.91

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



27182CG

27174CG

Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27174CG	M505	Bench press	7.0	\$179.95	\$159.95

M505 Accessories

27182CG	M507	Cable cutter	0.9	\$66.95	\$61.95
27203CG	M510	Base plate	0.5	26.49	24.95

JAMECO ValuePro .100" (2.5mm) Female Header Receptacles

- Gold plated contacts
- 0.1" contact center

Blue Part No. = Limited Quantity Available

Right Angle Mount (Side Entry)



Part No.	Contacts	Type	1	10	100	500
71159CG	20	Double row	\$1.25	\$1.10	.99	.85

Vertical Mount (Top Entry)



Part No.	Contacts	Type	1	10	100	500
70755CG	8	Single row	.59	.53	.43	.35
200782CG	12	Single row	.79	.59	.45	.42
308591CG	16	Single row	.58	.48	.31	.243
308567CG	20	Single row	.69	.57	.37	.289
70720CG	16	Double row	.89	.79	.72	.65
70827CG	20	Double row	.99	.89	.71	.53
105056CG	30	Double row	1.09	.98	.88	.74
111704CG	40	Double (Tin)	1.29	1.15	.99	.89

Other Manufacturers — Great Deals

454539CG	30	Double row	.99	.89	.80	.67
163862CG	34	Double row	1.05	.94	.85	.71

JAMECO ValuePro .100" IDC Plug Connectors

Double Row

- 0.100" x 0.100" grid
- Plastic
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, pg 149



29217CG

Part No.	Cross Ref. No.	Contacts	1	10	100
29188CG	P40	40	\$1.95	\$1.75	\$1.49
29217CG	P50	50	1.95	1.75	1.49

AMP .100" AMPLATCH™ Ribbon Cable Connectors

Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row, 0.100" Centers

- 0.120" solder tail
- 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contacts: copper alloy w/ 15μ gold over nickel
- Tin-lead solder area



496085CG

Straight

Part No.	Product No.	Positions	1	100	500
496149CG	103308-3	16	.79	.74	.67
496085CG	103308-5	20	1.19	1.08	.97
496296CG	103308-6	26	.95	.85	.79
496034CG	103308-7	34	1.21	1.09	1.02
496114CG	103308-8	40	1.79	1.59	1.27

Right Angle

Part No.	Product No.	Positions	1	100	500
496131CG	103310-1	10	.58	.532	.466

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

AMP

.100" AMPLATCH™ IDC Ribbon Connectors



Strain Relief for NOVO Receptacles

- UL94V-0 rated thermoplastic • Black
- Minimum order 10 pieces

Part No.	Product No.	Pos.	1	10	100	500
526045CG	499252-5	10	.....	*	\$ .17	\$.15 \$.134
526053CG	499252-9	14	.....	*	.17	.162 .152
526061CG	499252-8	16	.....	*	.17	.162 .152
527697CG	499252-2	20	.....	*	.17	.162 .152
527700CG	499252-3	26	.....	*	.18	.144 .127
526070CG	499252-6	34	.....	*	.18	.135 .11
526088CG	499252-4	50	.....	.22	.196	.17 .158
527726CG	1-499252-3	64	.....	.35	.295	.232 .215

Low Profile PCB Right Angle Shrouded Headers

- 94V-0 rated glass reinforced thermoplastic, blue
- Contacts: phosphor bronze, 30u" gold plated over 50u" nickel plating
- 0.150" end dimension
- Double row 0.100" (2.54mm) grid center

Part No.	Product No.	Pos.	1	10	100	500
620074CG	609-1007	10	..	\$2.05	\$1.92	\$1.57 \$1.53
620111CG	609-2027	20	....	4.45	3.16	2.72 2.41

Receptacles, Tulip Design, Center and Military Polarized w/ Strain Relief

- 0.100" (2.54mm) centers
- Housing and strain relief: 94V-0 rated glass reinforced thermoplastic, blue
- Contacts: beryllium copper, 30u" gold over 50u" nickel
- Tin/lead over nickel in termination area

Part No.	Product No.	Pos.	1	10	100	500
620146CG	609-2641	26	..	\$4.95	\$4.68	\$3.25 \$3.17
620082CG	609-1041	10	....	2.79	2.64	2.15 2.10

No Strain, No Connection

Sometimes businesses try to cut small costs in their products to add to the bottom line. Yes, there are many times when it is appropriate to reduce expenses, particularly when a component has little or no value to the buyer.

However, products shipped across the country or internationally are susceptible to prolonged vibration. Connectors can be rattled, and wire-to-connector interfaces can be loosened.

Protect your product whenever feasible. Make sure locking connectors are used to prevent connection failures during long hauls. And also make sure that strain reliefs are employed wherever appropriate, especially with ribbon cables. Your projects will be more reliable, and your customer will never know what your product was transported through!

Practical Practices

Money Saving Tips for the Engineer

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

♣ RoHS compliant product

♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Polarized Receptacles

- 0.100" x 0.100" (2.54mm) grid center
- Preassembled housing with cover
- 0.100" grid pitch
- Insulation displacement contacts for fast, economical mass terminations
- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Dielectric withstanding voltage: 1000Vrms (receptacles); 500Vrms (pin connectors)
- Housing, cover, & strain relief: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating
- Contact plating: 15u" gold on pin mating end, 200u" bright tin-lead on termination end, nickel underplate



Polarized

Part No.	Product No.	Pos.	1	100	500	1000
525448CG	476290-1	10	....	\$ .83	\$.75	\$.68 \$.62
524058CG	499997-2	14	.....	.99	.90	.80 .70
524066CG	499997-3	16	.....	.99	.90	.82 .76
524074CG	499997-4	20	.....	1.05	.96	.87 .83
525456CG	746290-6	26	....	1.75	1.57	1.34 1.10
525376CG	1-746288-0	50	....	4.15	3.78	3.44 3.12

Center and Military Polarized

Part No.	Product No.	Pos.	1	10	100	500
525309CG	746285-1	10	..	\$1.39	\$1.28	\$1.16 \$1.06
525384CG	746288-2	14	....	1.79	1.69	1.59 1.35
525317CG	746282-2	14	....	1.95	1.77	1.61 1.46
525392CG	746288-3	16	....	1.49	1.33	.93 .84
525325CG	746285-3	16	....	2.15	1.91	1.74 1.14
525405CG	746288-4	20	....	1.55	1.39	.97 .87
525333CG	746285-4	20	....	1.95	1.74	1.59 1.44
525413CG	746288-6	26	....	1.89	1.71	1.55 1.54
525341CG	746285-6	26	....	2.39	2.17	1.97 1.79
525421CG	746288-8	34	....	2.19	2.09	1.99 1.39
525350CG	746285-8	34	....	2.59	2.33	2.12 1.93
525430CG	746288-9	40	....	2.45	2.26	2.13 1.87
525368CG	746285-9	40	....	2.05	1.85	1.68 1.38

* 30u" gold on post/pin mating end, 200u" bright tin-lead on termination end with nickel underplate



Card-Edge Connectors

- Fits all PC boards
- 0.054" to 0.070" thick

♣ Blue Part No. = Limited Quantity Available

Solder Eyelet 0.140" Spacing Between Rows

- Contact centers: 0.156" • With mounting ears

Part No.	Position	Contacts	1	10	100
39116CG	22/44	Gold	.....	\$2.95	\$2.65 \$2.38

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.100"
- Without mounting ears

Part No.	Position	Contacts	1	10	100
40694CG	31/62	Tin (PC/AT)	..	\$.93	\$.82 \$.65
42091CG	49/98	Tin (AT)	.....	.89	.59 .39



Cinch

High Reliability Edge Connector

.156" (3.96mm) Density Solder Eyelet

- Current rating: 5A
- Solder eyelet, single readout or double readout on 0.200" (5.08mm) row spacing
- Patented bifurcated bellows contacts for added contact reliability
- 0.128" (3.25mm) mounting hole
- Insulation material: Diallyl phthalate, green
- Contact material: phosphor bronze
- Contact plating: 30u" selective gold over 50u" copper in contact areas, 5u" gold on tails
- Withstanding voltage: 1800VACrms
- Contact resistance: 10mΩ max.
- Insulation resistance: 5000MΩ min.



Part No.	Prod. No.	Positions	1	25	50	100
423003CG	50-30H-30	15/30	\$8.15	\$6.08	\$5.70	\$5.36
423054CG	50-44H-30	22/44	..	9.59	8.70	7.98 7.10

Cinch

CARDCON™ Commercial Edge Connector

- DIP solder tails on 0.200" (5.08mm) row centers
- double readout
- Bifurcated semi-bellows contacts for added contact reliability
- 0.128" (3.25mm) mounting holes
- Insulation material: UL94V-0 rated glass filled polyester, black
- Contact material: spring, brass
- Standard contact plating: 10u" selective gold over nickel, 50u" nickel in contact area, tin on tails



.100" (2.54mm) Density DIP Solder

- Withstanding voltage: 650VACrms
- Current rating: 3A
- Contact resistance: 10mΩ max.
- Insulation resistance: 5000MΩ min

Part No.	Prod. No.	Positions	1	25	50	100
423231CG	50-22SN-11	22/44	\$1.75	\$1.65	\$1.60	\$1.46
423353CG	50-50SN-11	50/100	3.89	3.66	3.43	3.23

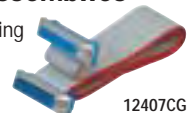
.156" (3.96mm) Density DIP Solder

- Withstanding voltage: 1800VACrms
- Current rating: 5A
- Contact resistance: 6mΩ max.
- Insulation resistance: 5000MΩ min

Part No.	Prod. No.	Positions	1	25	50	100
423100CG	50-20SN-1	10/20	\$1.59	\$1.51	\$1.41	\$1.32
423214CG	50-36SN-1	18/36	... 2.89	2.74	2.27	2.00
423257CG	50-44SN-1	22/44	... 3.65	3.48	2.90	2.28
423329CG	50-50SN-1	25/50	... 2.99	2.79	2.62	2.47

Ribbon Cable Assemblies

- Metal connector • 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts



Part No.	Description	1	10	100
12407CG	4' DB25 M-F	\$4.49	\$3.95 \$3.59
208582CG	6' DB9 M-F	3.95	3.55 3.19

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Jameco ValuePro Centronics Parallel Interface Connector

Metal Body and Shell Solder-Type Contacts

- Solder eyelets accept 24 AWG wire, pg 109
- Male cable plugs
- Complete with cable boot, shell and hardware

Part No.	Cross Ref. No.	Contacts	1	10	50
42382CG	57-30360	36	\$1.79	\$1.59	\$1.49

Cinch .085" (2.16mm) Density Miniature Ribbon Connectors

Solder Cup, Metal Shell

- Terminates discrete wires with ultra-low resistance solder connections
- Metal shell provides grounding and shielding capability
- All plugs lock with INSTALATCH passive latch features for automatic latching
- Insulator: blue UL94V-0 rated diallyl phthalate type MDG
- Contact: copper alloy • Shell: steel
- Contact plating: select gold over 50µ" select nickel (standard); 30µ" select gold over 50µ" select nickel
- Shell plating: zinc w/ chromate coating
- Voltage rating: 500VAC/125VAC
- Withstanding voltage: 1200VACrms
- Contact rating: 5A • Contact resistance: 6mΩ
- Insulation resistance: 5000MΩ min. initial

457836CG: Plug, high barrier with dust cover

457844CG: Socket, high barrier with dust cover, low profile hood

457828CG: Socket, high barrier with dust cover, high profile hood

457916CG: Socket, vertical mount solder tail 0.110", float mounts

457924CG: Socket, bail latch, 0.116" hole

Standard 90° Orientation, Commercial End Entry Cable

Part No.	Product No.	Pos.	1	25	50	100
457836CG	57-10500-14	50	\$6.79	\$6.41	\$6.06	\$4.76
457844CG	57-20500-19	50	6.09	5.62	5.15	4.74
457828CG	57-20500-7	50	5.49	5.04	4.45	3.94
457916CG	57-20500-31	50	9.75	9.13	7.09	6.50
457924CG	57-40500	50	5.19	4.82	4.55	4.28

Jameco ValuePro IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73251CG IDC crimping tool, pg 149

Part No.	Description	1	10	100
13848CG	36-pin male	\$1.99	\$1.75	\$1.49

Jameco ValuePro PCB Centronics Connectors



- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
72151CG	36-contact F, rt angle	\$3.55	\$3.19	\$2.87
72080CG	50-contact F, rt angle	4.95	4.45	3.95

Jameco ValuePro USB-A & B Connectors and Pins

1.0 and 2.0



174060CG: USB-A & B (2.0) Male Connector

- 3-part housing: tin plate over brass and glass fiber
- 4-pins (P/N 159724CG, see web) required per USB connector

161023CG/230957CG:

USB-A & B (1.0 & 2.0) Female Connectors

- PC mount right angle with board locks

230965CG: Male Crimp Pin

- Pin for P/N 174060CG (4 required)
- Contact: gold
- Use P/N 159266CG for crimping tool, pg 311

Blue Part No. = Limited Quantity Available

* Minimum order 10 pieces

Part No.	Description	1	10	100	1000
161023CG	USB-A 1.0 conn. (F)	\$0.79	\$0.69	\$0.62	\$0.56
174060CG	USB-B 2.0 conn. (M)	.69	.64	.60	.45
230957CG	USB-B 2.0 conn. (F)	.99	.85	.55	.42
230965CG	Crimp pin (M) for 2.0	...	.125	.09	.065

Jameco ValuePro DIN and Mini DIN Plugs & Receptacles



- Solder barrels with strain relief
- See pg 110 for cable

Blue Part No. = Limited Quantity Available

Part No.	Pins	Type	1	10	100
142279CG	4	Mini plug	\$0.79	\$0.68	\$0.53
142261CG	6	Mini plug	.89	.77	.59
177244CG	6	Mini receptacle	.99	.85	.69
111878CG	8	Mini plug	1.09	.99	.89
177236CG	8	Mini receptacle	1.09	.93	.69
15878CG	5	DIN plug	.52	.47	.41
180873CG	5	DIN receptacle	.52	.45	.34
15886CG	6	DIN plug	.59	.50	.39
15894CG	8	DIN plug	.65	.56	.43

Jameco ValuePro DIN Female Sockets

- Metal body
- Panel mount with solder lugs

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	# of pins	1	10	100	500
15843CG	DIN5	5	\$1.45	\$1.27	\$1.15	\$0.89
15852CG	DIN6	6	1.39	1.25	1.15	.99
15860CG	DIN8	8	1.49	1.35	1.15	1.05

Jameco ValuePro Right Angle DIN Female Sockets

- Set back: 0.5"
- PC mount contacts

Blue Part No. = Limited Quantity Available

140792CG/119474CG: Plastic/metal body

29399CG: Plastic body

Part No.	Ref. No.	# of pins	1	10	100	500
140792CG	MDR4S	4 (mini)	\$0.69	\$0.59	\$0.46	\$0.345
119474CG	MDR6S	6 (mini)	1.04	.91	.70	.53
29399CG	RD5	5	.59	.53	.40	.36

Other Manufacturers — Great Deals

- Set back: 0.5"
- PC mount contacts
- Plastic/metal body

Part No.	Ref. No.	# of pins	1	10	100	500
140791CG	MDR4S	4 (mini)	\$0.62	\$0.56	\$0.45	\$0.33
207722CG	MDS8100	8 (mini)	.89	.80	.64	.48

Cinch Circular Mini DIN Connectors

Single-Ended Cable Assembly

- 6 or 8-pin male
- Molded-in strain relief
- Shield: steel with nickel
- Contact material: phosphor bronze
- Jacket over 28 AWG stranded wire

Plugs

- Plug components for cable termination

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See Complete Cinch Mini DIN Offering at www.Jameco.com/Prod/CinchMiniDIN

Compare Our Awesome Prices in Connectors!



Jameco Part No.	Product No.	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Discount
525448CG	AMPLatch, 10pos, IDC 0.1"pitch	\$0.83	\$1.10	N/A	\$1.18	\$0.27	24.5%
29399CG	DIN, 5pin, F, R.A., PCB Mount	\$0.59	\$1.29	\$0.96	N/A	\$0.37	38.5%
140791CG	Mini DIN, 4pin, F, R.A., PCB, Shield	\$0.62	\$0.81	\$1.22	N/A	\$0.19	23.5%
458151CG	D-Sub, 25pos, F, PCB Mount	\$3.19	N/A	\$3.24	\$12.59	\$0.05	1.5%
222691CG	AMP D-Sub, 9pos, Crimp, F	\$0.75	\$0.75	\$0.92	\$1.28	\$0.17	18.5%

These are single unit prices taken from each party's website on September 7, 2006, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

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151

Full Handshaking Null Modem Adapters

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.

Internal pin configuration:

17224CG: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20

26243CG: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243CG	DB25 M to DB25 F	\$3.95	\$3.65	\$3.49
17224CG	DB25 F to DB25 F	3.49	2.95	2.49

Computer Card Brackets



Fig.: 1 2 3 4 5

- For securing cards into bus slots
- Fits standard PC/XT/AT cases • Length: 4.75"
- See pg 128 for DB connectors

Blue Part No. = Limited Quantity Available

Part No.	Description	Fig.	1	10	100
11754CG	Blank back panel	1	\$1.79	\$1.59	\$1.45
101717CG	For DB9 connector	2	1.79	1.59	1.45
101733CG	For DB25 connector	3	1.79	1.52	1.14
101741CG	For DC37 connector	4	1.79	1.52	1.14
101830CG	For DB9/DB25 conn.	5	1.79	1.59	1.45

Panel Bracket Cable Assemblies

- Standard computer back panel brackets
- Length: 12"
- Ribbon cable with header connector



149614CG



149622CG

355688CG: 1 serial port

149614CG: 2 serial ports

149622CG: 1 parallel port

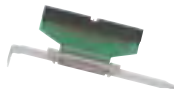
179995CG: 1 parallel & 2 serial ports

Quantity SAVE

Part No.	Description	1	10	25
355688CG	DB9 to 10-pin header	\$2.25	\$2.00	\$1.85
149614CG	DB9M to 10-pin header			
	DB25M to 10-pin header	2.79	2.37	1.78
149622CG	DB25 to 26-pin header	2.79	2.51	2.26
179995CG	DB9M to 10-pin header			
	DB25M to 10-pin header			
	DB25F to 26-pin header	1.39	1.16	.84

SCSI Adapter

- See below for SCSI-type connector guide



Part No.	Description	1	10	50
125241CG	50-pin ribbon header to HPDB50 SCSI-II female	\$9.95	\$8.45	\$6.35

SCSI Type / Connector Reference Table

SCSI type	50-pin Centronics DB25	50-pin Centronics DB25	Half pitch DB25 Header	Half pitch DB25 Header	VHD68 Centronics	VHD68 Centronics
SCSI-I	✓	✓	✓	✓		
SCSI-II			✓	✓		
SCSI-II wide					✓	
SCSI-III					✓	✓
RAID: SCA, SCA-2						✓

Slim-Line D-Sub Gender Changers



18497CG

56071CG

18446CG

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells

Part No.	Description	1	10	100
18497CG	9-pin male to male	\$4.95	\$4.49	\$3.99
18489CG	9-pin female to female	4.95	4.49	3.99
56071CG	15-pin male to male	3.95	3.49	2.95
56063CG	15-pin female to female	3.95	3.56	2.67
119319CG	15-pin female to female HD	4.75	4.28	3.84
119301CG	15-pin male to male HD	5.25	4.76	4.19
326537CG	15-pin M-F (pass through)	2.25	1.91	1.43
18446CG	25-pin male to male	4.95	4.49	3.99
18420CG	25-pin female to female	4.95	4.49	3.99
170085CG	25-pin M-F (pass through)	2.95	2.65	2.35

D-Sub 9-Pin to 25-Pin Serial Adapters

10321CG: For PC/XT systems with DB25 serial ports.

139985CG: gold-plated contacts, extra long thumbscrews



139985CG

Part No.	Description	1	10	100
10321CG	DB9 M to DB25 F	\$4.49	\$3.79	\$3.19
189632CG	DB9 M to DB25 M	3.49	3.15	2.85
139985CG	DB9 F to DB25 F	3.95	3.55	3.19

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

10305CG: For use in AT or other computer systems that have 9-pin D-sub serial ports.

163740CG/153576CG:

For PC/XT systems with DB25 serial ports.

153576CG

Part No.	Description	1	10	100
10305CG	DB9 F to DB25 M	\$3.15	\$2.69	\$1.99
163740CG	DB9 M to DB25 F, thumbscrews on DB9 side only	2.55	2.19	1.65
153576CG	DB9 M to DB25 F, thumbscrews on DB25 side only	3.55	2.99	2.25
664296CG	DB9 M to DB25 M, thumbscrews on both sides	2.49	2.25	1.85

Quantity SAVE

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse



Part No.	Length	Housing	1	10	25
645351CG	13"	USB adapter	\$12.35	\$11.75	\$11.15

Standard D-Sub Gender Changers



16643CG

22058CG

- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635CG	D-sub 9-pin male	\$1.95	\$1.75	\$1.49
16643CG	D-sub 9-pin female	1.95	1.75	1.49
22058CG	D-sub 25-pin male	1.95	1.49	1.05
22074CG	D-sub 25-pin female	1.99	1.79	1.65

Keyboard Adapters



159089CG

159097CG

189771CG

316832CG

159089CG/189771CG: AT keyboard adapter

- Connects PS/2 keyboard to AT

159097CG: PS/2 keyboard adapter

- Connects AT type keyboards to the PS/2

316832CG: USB to PS/2 keyboard adapter

- USB-A female to PS/2 male

Part No.	Length	Housing	1	10	100
159089CG	1.6"	Metal	\$2.95	\$2.65	\$1.98
159097CG	1.4"	Metal	2.95	2.65	2.39
189771CG	1.7"	Plastic	2.95	2.65	1.98
316832CG	2.0"	Plastic	1.79	1.59	1.39

Other Manufacturers — Great Deals

PS/2 Keyboard Adapter

- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)



Part No.	Length	Housing	1	10	100
157930CG	1.7"	Plastic/metal	\$2.65	\$2.25	\$1.69



Fiber Optic Accessories

MTP/MPO

Provide reliable high performance interconnects of up to 24 fibers in a small footprint.



SMC

LC Loopback

Provides a stable and convenient means for testing optical SFP (Small Form-factor Pluggable) and SFF (Small Form Factor) devices.

SMC

Provide reliable high performance interconnects of up to 12 fibers in a low profile footprint.

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10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')

Part No.	Product No.	1	10
171272CG	IF-C-E1000	\$6.95	\$6.25

Fiber Optic Connectors & Adapters



SC Duplex

ESCON

FC/APC

SC

The versatile Molex SC lightwave connector has been designed to NTT-SC standards & is completely compatible with other SC hardware.

SC Duplex

Designed to maintain fiber optic cabling polarity in the telecommunication and data communication networks.

SC/APC

NTT compliant connector, combines connector design with a precise Angled Physical Contact (APC) ferrule.

ESCON

High speed communication interconnect between mainframes and storage devices, peripheral control units and other networks.

FC/APC

Combines an NTT-FC connector design with a precise, pre-angled, pre-radiused & pre-polished ferrule.

ST

Specially designed for distribution applications & fully compatible with existing ST type hardware.

STII

Versatile coupling nut design, which allows the STII connector to provide either standard ST or non-optical disconnect functionality.

Bezel Adapter Accessories

Provides many advantages when deploying various fiber optic adapters on equipment front and/or back panels.

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Fiber Optic Backplanes

HBMT™ MT

Utilizing a standard MT ferrule as the optical interface, the HBMT provides up to 96 fiber interconnects.

BMTP MTP

High density solution based on the NTT MT ferrule and MTP push-pull ribbon fiber connector.

BLC™ LC

Designed to provide a smooth transition from the active devices to the LC based fiber optic network.

BSC™/BSCII™ SC

Designed to provide a smooth transition from the active devices to the SC based fiber optic network.

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BMTP MTP

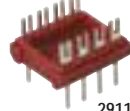


BSC/BSCII SC

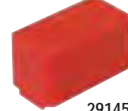
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DIP Headers and Header Covers



291119CG



291451CG

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon

Series 600 Headers w/ Coined Contacts

- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temp.: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads

Part No.	Product No.	Pos.	W (in.)*	1	10	100
291119CG	08-600-10	8	0.300	\$1.09	\$.96	\$.79
291311CG	14-600-10	14	0.300	1.55	1.37	1.11
291574CG	16-600-10	16	0.300	1.69	1.49	1.22
291872CG	18-600-10	18	0.300	1.89	1.67	1.35
291944CG	20-600-10	20	0.300	2.05	1.79	1.45
291995CG	24-600-10	24	0.600	2.49	2.19	1.79
295128CG	28-600-10	28	0.600	2.89	2.55	2.06

* Center to center pin width Blue Part No. = Limited Qty Available

Series 650 Header Covers

Part No.	Product No.	Pos.	HT (in.)	1	10	100
291127CG	08-650-10	8	0.125	\$.48	\$.395	\$.335
291451CG	14-650-20	14	0.375	... .53	.44	.36
291653CG	16-650-10	16	0.125	... .52	.43	.36
291661CG	16-650-20	16	0.375	... .52	.43	.36
291881CG	18-650-10	18	0.125	... .61	.50	.41
291952CG	20-650-10	20	0.125	... .60	.50	.41
292007CG	24-650-10	24	0.125	... .67	.56	.45
292023CG	24-650-20	24	0.375	... .79	.68	.51
295136CG	28-650-10	28	0.125	... .87	.74	.61

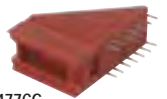
Max. component height Blue Part No. = Limited Qty Available



Series 800 Vertisockets

With Bifurcated Contacts

- Body material: UL 94-HB glass filled nylon
- Phosphor bronze spring tempered bifurcated contacts
- Contact plating: 100µ" (2.54µm) tin or 10µ" (.254µm) gold
- Contact current: 1.5A
- Suggested PCB hole size: 0.044" (1.12mm) dia.
- Gold plated (except 296770CG – tin plated)
- Center pins: 0.300" (except 291231CG – 0.200")



291485CG

Vertical Mount

Part No.	Product No.	Pins	L"xW"	1	10	100
291231CG	10-2810-90	10	1.0 x .29	\$4.99	\$4.19	\$3.39
291477CG	14-810-90R	14	1.4 x .39	2.69	2.39	1.85
296770CG	14-810-90T	14	1.4 x .39	3.65	3.25	2.49

Horizontal Mount

291485CG	14-823-90	14	1.4 x .39	\$4.15	\$3.69	\$2.85
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Horizontal Mounting w/ Collet Contacts

- Body material: UL 94-HB glass filled nylon
- Brass alloy pin body w/ 200µ" (5.07µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contacts
- Contact current: 3A
- Center pins: 0.300" (7.62mm)
- Suggested PCB hole size: 0.035" (0.89mm) dia.

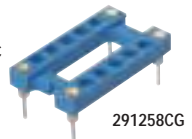


Part No.	Product No.	Pins	L"xW"	1	10	100
295241CG	40-6823-10	40	2.0 x .70	\$12.69	\$11.19	\$8.79



Oscillator Sockets

- Body material: blue UL 94V-0 glass filled polyester thermoplastic
- Brass alloy pin, 1/2 hard w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Contact current: 3A
- Center pin spacing: .300" (7.62mm)
- Operating temperature: 221°F (105°C)
- Suggested PCB hole size: .030" (.76mm)



Part No.	Prod. No.	Pos.	L" x W"	1	10	100
291283CG	1108800	8	.40 x .40	\$.56	\$.47	\$.38
291258CG	1107741	14	.70 x .4056	.47	.38

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Universal SOIC to .600" DIP Adapter

Series 647

- 44-pin adapter for mounting Aries Series 547 Universal SOIC ZIF test socket to 0.600" DIP PCB layout
- Black FR-4 body material, 0.094" thick with copper traces
- Brass alloy female pin body with 200µ" (5.08µm) tin/lead plating
- Beryllium copper 4-fingered collet contact with 10µ" (0.25µm) gold over nickel plating
- Phosphor bronze alloy male pin with 200µ" (5.08µm) tin / lead plating
- Contact current rating: 3A
- Suggested PCB hole size: 0.028" diameter



Part No.	Product No.	Price
295283CG	44-647-10	\$60.95

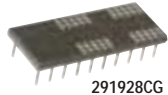


SOIC/SOJ to DIP Adapters

- Board material: 0.062" thick FR-4 with 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) minimum tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.

Series 35000X

- Center pins: 0.300" (7.62mm)
- SOIC package (except 291928CG – SOJ)



Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pins	L"xW"	1	10	100
291207CG	08-350000-10	8	.400 x .46	\$6.59	\$5.59	\$4.50
291291CG	14-350000-10	14	.700 x .45	6.55	5.55	4.62
291515CG	16-350000-10	16	.800 x .45	6.55	5.59	4.65
291864CG	18-350000-10	18	.900 x .45	6.55	5.55	4.70
291910CG	20-350000-10	20	1.0 x .45	6.55	5.55	4.59
291928CG	20-350001-10	20	1.0 x .42	6.05	5.99	5.35
291980CG	24-350000-10	24	1.2 x .45	4.45	4.33	4.23
292074CG	28-350000-10	28	1.4 x .40	6.05	5.89	5.85

Series 45000X

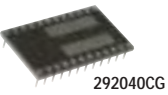
- Center pins: 0.400" (10.16mm)
- SOJ package



Part No.	Product No.	Pins	L"xW"	1	10	100
295179CG	32-450001-10	32	1.6 x .53	\$9.09	\$8.99	\$8.89

Series 65000X

- Center pins: 0.600" (15.24mm)
- SOIC package (except 295187CG – SOJ)



Part No.	Product No.	Pins	L"xW"	1	10	100
295187CG	32-650000-10	32	1.6 x .70	\$10.35	\$10.25	\$10.15
292040CG	24-650000-10	24	1.2 x .70	9.19	8.55	7.09
295145CG	28-650000-10	28	1.4 x .70	10.35	10.25	10.15

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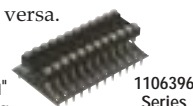
1-800-831-4242



Row-to-Row DIP Adapter Socket

These sockets allow the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice versa.

- Socket body: UL 94-HB glass-filled nylon
- Brass alloy pin body w/ 200µ" (1.27µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contact w/ 30µ" (0.76µm) gold plating
- Contact current: 3A
- Suggested PCB hole size: .035" (.89mm) dia.



Series 1106396 – .300" to .600" adapter

Part No.	Product No.	Pins	1	10	100
296737CG	1106396-24	24	\$9.69	\$7.39	\$6.79
296745CG	1106396-28	28	10.89	8.29	7.55

Series 1107254 – .600" to .300" adapter

Part No.	Product No.	Pins	1	10	100
296754CG	1107254-24	24	\$9.69	\$7.39	\$6.79
296762CG	1107254-28	28	10.89	8.29	7.55



DIP/SOIC to T0 Adapter

8-pin DIP socket or 8-pin SOIC footprint on top and a circular 8-pin T0 can male footprint at the bottom. ICs now available only in 8-pin DIP or SOIC can be readily mounted on boards having T0 thru-hole footprints without having to redesign the board.

- Board thickness: .062"
- Male pin: brass alloy with 200µ" tin plating
- Suggested PCB hole size: .028" Dia.



323272CG: DIP to T0 adapter

- Socket body: black UL 94V-0
- Female pin: brass alloy with 10µ" gold plating
- Female pin contact: beryllium copper with 10µ" gold plating
- Accepts leads .015" to .025" Dia.;
- .100" to .125" long • Current rating: 3A
- Dimensions: 0.4"L x 0.4"W x 0.23"H

323264CG: SOIC to T0 adapter

- 1 oz. copper traces on both sides • Size: 0.375" Dia.

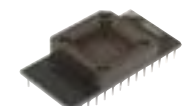
Part No.	Product No.	1	10	100
323272CG	1109522	\$8.35	\$7.89	\$7.49
323264CG	1109814	11.09	10.29	9.85



PLCC-to-DIP Adapter with Socket

Series 653000

- Converts PLCC packaged ICs to DIP footprints
- Adapter body: FR-4; .062" (1.58mm) thick with 1 oz. minimum copper traces
- Brass alloy solder tail pins w/ 200µ" (5.08µm) 93/7 tin/lead • Current rating: 1A
- Center pins: .600" (15.24mm) • Width: .705"
- Suggested PCB hole size: .028" (.71mm) Dia.



Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pos. Length	1	10	100
295152CG	28-653000-10	28 1.4"	\$23.59	\$23.49	\$23.39
295195CG	32-653000-10	32 1.6"	35.65	32.65	27.05



EJECT-A-DIP DIP Collet Sockets

With Solder Tail Pins

- Latch and body: UL 94V-0 glass-filled polyester thermoplastic
- Brass alloy pin body w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Beryllium copper alloy 6-fingered collet contact w/ 10µ" (0.25µm) gold plating
- Contact current: 3A
- Insulation resistance: 10,000MΩ @ 500VDC
- Withstanding voltage: 1000VRMS
- Operating temp.: -67°F to 257°F (-55°C to 105°C)
- Center pins: 291493CG/291830CG – 0.300"; 295216CG/295259CG – 0.600"
- Suggested PCB hole size: 0.030" (0.76mm) Dia.



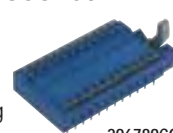
Vertical Mount

Part No.	Product No.	Pins	L"xW"	1	10	100
291493CG	14-C280-10	14	0.95 x .40	\$3.09	\$2.49	\$1.85
291830CG	16-C280-10	16	1.05 x .40	3.29	2.65	1.99
295216CG	32-C182-10	32	1.89 x .70	5.55	4.49	3.85
295259CG	40-C182-10	40	2.29 x .70	7.05	5.69	4.89



Series 526 Low Profile ZIF Socket

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact current: 2A
- Contact resistance: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.



Part No.	Product No.	Pins	L" x W"	1	10	100
296789CG	24-526-10	24	1.45 x .75	\$5.65	\$5.19	\$4.39
102745CG	28-526-10	28	1.64 x .75	5.49	4.99	4.49
102752CG	40-526-10	40	2.24 x .75	7.35	6.65	5.89



High Temp. Universal Zero Insertion DIP Test

Series X55X

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- 10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature: -10: 221°F (105°C) – tin plating -11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Contact current: 1A
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 1000VAC
- Center pins: 0.600" (15.24mm)



Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pins	L" x W"	1	10	100
292058CG	26-6554-11	26	1.3 x 0.9	\$10.95	\$9.59	\$9.55
295162CG	28-6554-11	28	1.4 x 0.9	11.85	10.39	10.25
295208CG	32-6554-11	32	1.6 x 0.9	13.15	11.49	11.39
295233CG	40-6554-11	40	2.0 x 0.9	15.69	13.79	13.69
103991CG	24-6554-10	24	1.8 x 0.9	7.49	6.79	5.99
104003CG	28-6554-10	28	2.0 x 0.9	8.45	7.39	7.15
104012CG	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104030CG	40-6554-10	40	2.5 x 0.9	11.25	9.80	9.45

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Material: beryllium copper or phosphor bronze
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: .177" (A) • Body ht.: .117" (B)

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	1000
167003CG	6MLPT	6	0.3	.29	.26	.18	.16
51625CG	8MLP	8	0.3	.25	.22	.19	.17
37196CG	14MLP	14	0.3	.42	.38	.33	.30
37401CG	16MLP	16	0.3	.47	.43	.37	.34
65585CG	18MLP	18	0.3	.55	.49	.43	.39
38623CG	20MLP	20	0.3	.59	.55	.45	.39
39387CG	24SMLP	24	0.3	.65	.59	.47	.35
39351CG	24MLP	24	0.6	.65	.59	.53	.44
114411CG	28SMLP	28	0.3	.85	.75	.65	.55
40328CG	28MLP	28	0.6	.83	.75	.65	.59
105380CG	32MLP	32	0.6	.95	.85	.75	.65
41136CG	40MLP	40	0.6	1.19	1.05	.79	.69
42059CG	48MLP	48	0.6	1.29	1.16	1.04	.89
200707CG	64MLP	64	0.9	1.35	1.25	1.15	.87

Other Manufacturers — Great Deals

662565CG	6MLP	6	0.3	.25	.22	.16	.14
662573CG	8MLP	8	0.3	.22	.20	.17	.15
662611CG	16MLP	16	0.3	.42	.38	.33	.30
192209CG	22SMLP	22	0.4	.53	.48	.43	.39
652359CG	24MLP-GLD	24	0.6	.59	.49	.39	.25
184680CG	28SMLP	28	0.4	.80	.72	.58	.43
662629CG	40MLP	40	0.6	1.09	.95	.69	.62

Machine Contact Single-In-Line Female Sockets

- Machine tooled
- Single row
- Solder tail and wire wrap

Part No.	Description	1	10	100	500
78641CG	10-pin	.25	.22	.20	.18
102201CG	30-pin	.89	.80	.68	.61
78641CG	36-pin	1.19	1.09	.97	.87
101283CG	20-pin WW2	1.49	1.35	1.09	.80
104054CG	30-pin WW3	1.95	1.75	1.49	1.35

† Lead length: .435" (2) * Lead length: .575" (3)

Other Manufacturers — Great Deals

192840CG	Single x 11-pin	.44	.40	.32	.24
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Blue Part No. = Limited Quantity Available

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Machine Contact Dual-In-Line Female Sockets

- 0.100" centers
- Solder tail contact: .114" L
- Pin sleeve: tin
- Contact clip: gold

Part No.	Cross Ref. No.	Pins	1	10	100
212855CG	SA101000	10	.29	.23	.173
212863CG	SA121000	12	.30	.28	.25
212871CG	SA141000	14	.35	.33	.30
212880CG	SA161000	16	.40	.37	.277
212898CG	SA181000	18	.45	.42	.38
184612CG	SA201000	20	.50	.46	.345
212901CG	SA221000	22	.55	.51	.382
212919CG	SA241000	24	.60	.56	.42
212927CG	SA321000	32	.80	.74	.55
212935CG	SA481000	48	1.20	1.11	1.01

Dual Wipe Solder Tail Low-Profile Sockets

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A) • Body ht.: .188" (B)
- Minimum order 10 pieces

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
112192CG	6LPD	6	0.3	.09	.06	.05
112205CG	8LPD	8	0.3	.09	.08	.07
112213CG	14LPD	14	0.3	.10	.075	.05
112221CG	16LPD	16	0.3	.13	.115	.095
112230CG	18LPD	18	0.3	.16	.14	.12
307977CG	22LPD	22	0.3	.14	.14	.12
112281CG	24SLPD	24	0.3	.14	.13	.09
112265CG	24LPD	24	0.6	.158	.129	.089
112299CG	28SLPD	28	0.3	.21	.19	.17
112301CG	32LPD	32	0.6	.26	.23	.173
112310CG	40LPD	40	0.6	.26	.23	.19
167396CG	48LPD	48	0.6	.26	.23	.21

Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
51570CG	8LP	8	0.3	.063	.054	.045
689928CG	ED08DT	8	0.3	.075	.065	.055
37161CG	14LP	14	0.3	.081	.063	.054
689936CG	ED14DT	14	0.3	.08	.065	.04
37372CG	16LP	16	0.3	.09	.081	.054
689944CG	ED16DT	16	0.3	.11	.09	.07
38113CG	18LP	18	0.3	.099	.084	.063
689952CG	ED18DT	18	0.3	.14	.12	.10
38608CG	20LP	20	0.3	.108	.09	.063
112248CG	20LPD	20	0.3	.153	.13	.098
39132CG	22LP	22	0.4	.108	.10	.095
39378CG	24SLP	24	0.3	.153	.13	.098
39353CG	24LP	24	0.6	.16	.15	.11
112264CG	24LPD	24	0.6	.158	.136	.122
40301CG	28LP	28	0.6	.171	.117	.081
112272CG	28LPD	28	0.6	.19	.16	.14
689961CG	ED28DT	28	0.3	.18	.15	.11
689979CG	ED32DT	32	0.6	.18	.15	.11
41110CG	40LP	40	0.6	.171	.153	.108
689987CG	ED40DT	40	0.6	.22	.19	.13
112326CG	64LPD	64	0.9	.162	.139	.104

† Dual Wipe

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)
- Body height: .300" (A)

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37234CG	14WW2	14	0.3	\$1.49	\$1.35	\$1.19	\$1.09
37480CG	16WW2	16	0.3	1.75	1.59	1.43	1.29
38674CG	20WW2	20	0.3	2.25	1.99	1.82	1.65
39395CG	24WW2	24	0.6	1.85	1.63	1.43	1.33
40353CG	28WW2	28	0.6	5.75	5.15	4.75	4.15

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37218CG	14TWW2	14	0.3	\$1.15	\$1.03	\$.93	\$.84
37437CG	16TWW2	16	0.3	.99	.89	.78	.67
87637CG	18TWW2	18	0.3	1.09	.98	.89	.88
75380CG	20TWW2	20	0.3	1.69	1.52	1.35	1.23
75416CG	24TWW2	24	0.6	1.49	1.35	1.09	.79
41180CG	40TWW2	40	0.6	2.49	2.15	1.79	1.59

Other Manufacturers — Great Deals

196832CG	14WW1	14	0.3	\$1.05	\$.94	\$.76	\$.57
196841CG	14TWW3	14	0.3	.82	.74	.59	.44

Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300Vrms
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ
- Sleeve material: brass
- Body height: .115" (A)
- Thru-hole lead length: .365" (L2); .515" (L3)

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	500
94473CG	8MSWW3	8	0.3	\$.53	\$.46	\$.38	\$.34
62050CG	14MSWW3	14	0.3	.93	.80	.67	.60
37410CG	16MSWW3	16	0.3	1.09	.93	.78	.69
94481CG	18MSWW3	18	0.3	1.09	.93	.78	.74
38631CG	20MSWW3	20	0.3	1.33	1.14	.95	.86
185324CG	22MSWW3	22	0.3	1.39	1.25	1.06	.97
105371CG	24MSWW3	24	0.3	1.55	1.32	1.11	.99
94490CG	24MSWW3	24	0.6	1.55	1.31	1.11	1.03
200715CG	28MSWW3	28	0.3	1.69	1.43	1.19	1.07
40336CG	28MSWW3	28	0.6	1.69	1.43	1.19	1.11
117057CG	32MSWW3	32	0.6	2.19	1.99	1.79	1.49
94502CG	40MSWW3	40	0.6	2.65	2.28	1.90	1.71
200723CG	48MSWW3	48	0.6	2.65	2.38	2.14	1.93
200731CG	64MSWW3	64	0.9	2.59	2.37	2.15	1.96

Other Manufacturers — Great Deals

192831CG	224MSWW3	22	0.4	\$.54	\$.49	\$.45	\$.40
313656CG	24MSWW3	24	0.6	1.19	1.05	.88	.79

AMP DIP Sockets

Dual Leaf Straight Solder Tail

- Accepts .008" to .014" thick IC leads
- Housing: glass filled thermoplastic, 94V-0 rated, black
- Contact: phosphor bronze with 15µm gold plate



Part No.	Product No.	Pos.	Width	1	10	100
524576CG	2-640357-4	14	0.3	\$.69	\$.63	\$.57
524584CG	2-640358-4	16	0.3 .....	.63	.57	.52

Economy Ladder Style

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating

* Prepackaged: please order in increments of 10 or 100

Part No.	Product No.	Pos.	Width	1	10	100
526281CG	390261-1	6	0.3	.....\$.20	\$.067	\$.062
683091CG	1-390261-1	6	0.3	......20	.067	.062
526299CG	390261-2	8	0.3	.....*	.068	.062
683104CG	1-390261-2	8	0.3	......20	.071	.066
526192CG	390261-3	14	0.3	.....*	.081	.074
683112CG	1-390261-3	14	0.3	......20	.087	.082
526205CG	390261-4	16	0.3	.....*	.085	.077
683121CG	1-390261-4	16	0.3	......20	.093	.087
526213CG	390261-5	18	0.3	.....*	.098	.093
683139CG	1-390261-5	18	0.3	......20	.124	.116
526221CG	390261-6	20	0.3	.....*	.102	.097
683147CG	1-390261-6	20	0.3	......20	.141	.129
683163CG	1-390261-8	24	0.3	......20	.169	.152
526230CG	390262-1	24	0.6	.....*	.153	.143
683198CG	1-390262-1	24	0.6	......20	.179	.175
683201CG	1-390262-2	28	0.6	......20	.179	.175
526248CG	390261-9	28	0.3	......20	.176	.168
683171CG	1-390261-9	28	0.3	......20	.195	.19
526256CG	390262-2	28	0.6	......20	.176	.168
526272CG	390262-5	40	0.6	......22	.21	.20
683227CG	1-390262-5	40	0.6	......29	.263	.261

Economy Over-the-Component Style

Part No.	Product No.	Pos.	Width	1	10	100
526264CG	390263-2	32	0.6	\$.21	\$.201	\$.193
683286CG	1-390263-2	32	0.6 .....	.20	.189	.188

500/800 Series Machined Contact

- Precision four fingered contact provides concentric funnel entry for easy flat and round lead insertion
- Non-wicking, closed bottom sleeve gives 100% protection against flux and solder contamination
- Contact resistance: 10mΩ max.
- Insulation resistance: 5000MΩ @ 500VDC
- Dielectric withstanding voltage: 1000Vrms
- Insulator: UL94V-0 rated thermoplastic polyester
- Sleeve: machined brass / formed copper
- Contact: beryllium copper
- Contact plating: gold



Solid Insulator (500 Series)

Part No.	Product No.	Pos.	Width	1	10	100
619971CG	508-AG10D♣	8	0.3 \$3.49	\$3.16	\$2.62	
619989CG	514-AG10D♣	14	0.3 4.19	3.78	3.14	
619997CG	514-AG10D-ES♣	14	0.3 3.29	2.82	2.54	
620007CG	514-AG11D♣	14	0.3 3.39	3.08	2.08	
620015CG	516-AG10D♣	16	0.3 5.19	5.16	4.03	
620023CG	516-AG11D♣	16	0.3 3.65	3.32	2.75	
620031CG	516-AG-11D-ES♣	16	0.3 1.69	1.54	1.27	

Open Insulator (800 Series)







Part No.	Product No.	Pos.	Width	1	10	100
620285CG	814-AG11D♣	14	0.3 ...	\$3.39	\$3.08	\$2.55
620293CG	816-AG11D♣	16	0.3	3.65	3.32	2.75

CA .100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

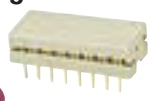


Blue Part No. = Limited Quantity Available

Part No.	Prod.No.	Width	Pins	1	10	100
104337CG	8HP 	0.3"	8	\$.79	\$.67	\$.57
37130CG	14HP 	0.3"	14	1.19	.99	.89
37330CG	16HP   	0.3"	16	1.35	1.25	1.09
38579CG	20HP 	0.3"	20	1.49	1.35	1.19

JAMECO ValuePro .100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Plastic with gold-plated contacts
- Uses 28 AWG flat ribbon cable, pg 110
- Current rating: 1 am

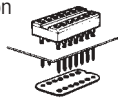


Blue Part No. = Limited Quantity Available

Cross								
Part No.	Ref. No.	Width	Contacts	1	10	100	500	
42657CG	609-14	0.3"	14	...	\$.49	\$.40	\$.35	\$.29
42673CG	609-16	0.3"	16	.....	.55	.45	.35	.30
104096CG	609-20	0.3"	20	.....	.69	.62	.55	.49
42690CG	609-24	0.6"	24	.....	.79	.71	.64	.59
99670CG	609-28	0.6"	28	.....	.89	.80	.72	.59
42711CG	609-40	0.6"	40	...	1.15	1.05	.95	.85

Wire Wrap Socket I.D. Markers

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Plastic
- Can easily write location, part number or function



Part No.	Prod. No.	Pins	Width (in.)	1	10	100	500
51561CG	8ID⊕	8	0.3 ...	\$.44	\$.35	\$.30	\$.28
37145CG	14ID⊕	14	0.3 .....	.35	.31	.28	.24
37356CG	16ID⊕	16	0.3 .....	.29	.26	.25	.23
38105CG	18ID⊕	18	0.3 .....	.49	.45	.39	.35
38586CG	20ID⊕	20	0.3 .....	.55	.49	.45	.41
39327CG	24ID⊕	24	0.659	.52	.43	.38
40299CG	28ID⊕	28	0.665	.55	.47	.45
41101CG	40ID⊕	40	0.689	.79	.69	.65

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JAMECO ValuePro PLCC Surface Mount Sockets

- Current: 1A
- Dielectric strength: 600VAC for 1 minute
- Insulator resistance: 5000MΩ minimum
- Temperature surface mount: -55°C / +170°C



Part No.	Cross Ref. No.	Pins	1	10	50	100
152688CG	PLCC44D	44	\$.75	\$.68	\$.61	\$.55
307951CG	850-68-99ST	6886	.78	.69	.66

Other Manufacturers — Great Deals

152696CG	PLCC68D	68	\$.34	\$.31	\$.28	\$.26
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JAMECO ValuePro PLCC Solder Tail Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"



Part No.	Cross Ref. No.	Pins	1	10	50	100
71263CG	G1P428	28	..... \$0.56	\$.44	\$.34	\$.29
71811CG	G1P432	32	..... .55	.48	.41	.39
71618CG	G1P444	44	..... 1.15	.99	.81	.69
72442CG	G1P452	52	..... .99	.79	.65	.55
71969CG	G1P468	68	..... 1.15	.99	.89	.79
71976CG	G1P484	84	..... 1.29	1.16	1.04	.88

Other Manufacturers — Great Deals

687703CG	821574-1	68	...	\$1.03	\$.93	\$.84	\$.75
687691CG	821573-1	84	.....	1.16	1.09	.98	.85

molex .050" (1.27mm) Pitch 72-Position SIMM Sockets

- Left polarization
- Tin contact plating
- Accepts JEDEC MO-116 modules
- Current (max.): 1.0A
- Voltage (max.): 250V
- PCB retention: press-fit plastic peg
- Withstanding voltage: 1000VAC
- Contact resistance: 30mΩ max.
- Insulation resistance: 5000MΩ min.
- Housing: liquid crystal polymer
- Contact: phosphor bronze
- Contact plating (plating thickness): gold (0.76µm; 30µ"); tin/lead (5µm; 200µ")
- Temperature range: -40°C to +85°C



669791CG: right polarization; gold contact plating

Part No.	Prod. No.	Description	1	10	25
668481CG	15-82-0775	Vert.	\$2.99	\$2.89	\$2.80
669791CG	15-82-0778	Vert.	4.09	3.76	3.42
669804CG	15-82-0678	22.5° low prof.	4.05	3.77	3.36
670750CG	15-82-0649	40° low prof.	4.29	3.71	3.37
670784CG	15-82-1538	Rt. angle	7.25	6.69	6.07

We have thousands of new products in the pipeline. Check www.Jameco.com for latest additions.



.050" (1.27mm) 168-Position DIMM Socket

- Accepts JEDEC MO-161 modules
- 662813CG/662821CG/662830CG/662848CG: beveled metal pin, forklock PCB retention
- 668529CG/668545CG/668537CG: press-fit plastic peg PCB retention
- Contact resistance: 30mΩ max.
- Withstanding volt.: 500VAC
- Current (max.): 1.0A
- Contact: phosphor bronze
- Under plating: nickel
- Insulation resistance: 1000MΩ min
- Contact plating: gold over palladium nickel
- Voltage (max.): 100V
- UL94V-0
- Durability: 25 cycles (min.)
- Housing: liquid crystal polymer
- Plating tail: tin/lead
- Temperature range: -40°C to +85°C



Part No.	Prod. No.	Description	Function Key	Voltage Key	1	10	25	50
662813CG	71736-0001	DRAM, 3.3V	Detail Y	Detail Y	\$3.69	\$3.43	\$3.10	\$2.79
662821CG	71736-0002	DRAM, 5.0V	Detail Y	Detail Z	3.69	3.43	3.10	2.79
662830CG	71736-0005	Unbuff., 5.0V	Detail X	Detail Z	3.35	3.09	2.78	2.57
662848CG	71736-0006	SDRAM, 3.3V	Detail Z	Detail Y	3.69	3.43	3.10	2.79
668529CG	71251-0001	DRAM, 3.3V	Detail Y	Detail Y	3.75	3.56	3.32	3.13
668545CG	71251-0002	Unbuff., 3.3V	Detail X	Detail Y	4.45	4.27	4.08	3.71
668537CG	71251-0016	SDRAM, 3.3V	Detail Z	Detail Y	4.45	4.27	4.08	3.71

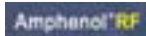


.050" (1.27mm) 184-Position DDR DIMM Sockets

- Current (max.): 1.0A
- Voltage (max.): 125V; except for 668502CG/668511CG 50V
- Voltage key: 2.5V, left
- Withstanding voltage: 500VAC
- Contact resistance: 30mΩ max.; except for 668511CG: 40mΩ max.
- Insulation resistance: 1000MΩ min.
- Housing: high temp. thermoplastic
- Contact: copper alloy; except for 668502CG: phosphor bronze
- Plating contact: .38μm (15μ") gold
- Plating tail: tin, lead free • UL94V-0
- Under plating: nickel • Durability: 25 cycles min.
- Temperature range: -10°C to +85°C



Part No.	Prod. No.	Description	1	10	25
668511CG	87623-2001	25° LP	\$7.69	\$7.39	\$7.10
668502CG	87636-2002	Vertical	1.85	1.76	1.67
668490CG	87655-0004	Rt. angle	12.75	12.19	11.63



UHF Connectors and Adapters



- Frequency range: 0-300MHz
- Working voltage: 500V
- Cable type: 223600CG/223677CG: RG8/9/87A/214/313/225
- Cable type: 668385CG: RG58/58A/58C/141/303/LM195/B7806A
- Cable type: 668393CG: RG59/62/140/210
- Contact plating: nickel and silver



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223562CG	83-1AP	1	UG-646/U	In-series right angle adapter, jack-plug	\$8.15	\$7.59	\$6.16
223837CG	83-1T	2	M-358	In-series T-adapter, jack-plug-jack	11.25	8.65	6.55
223597CG	83-1R	3	SO-239	Panel receptacle, solder cup, PBT polyester insulator	3.09	2.49	2.45
223600CG	83-1SP	4	PL-259	Straight plug, solder, diallyl phthalate insulator	3.65	2.81	2.52
223677CG	83-822	4	PL-259	Straight plug, solder, TFE insulator	3.95	2.99	2.75
668377CG	182106	5	PL-259	Straight plug, solder, nickel finish, phenolic insulator	2.05	1.82	1.59
668385CG	182107	6	UG-175/U	Reducing adapter, nickel finish, for 668377CG	.47	.423	.317
668393CG	182108	6	UG-176/U	Reducing adapter, nickel finish, for 668377CG	.48	.432	.285
668449CG	182109	7	PL-258	Jack-to-jack adapter, nickel finish, teflon insulator	4.55	4.34	4.13

Finding the Needle in the Haystack

Remember the adage about doing it right the first time? If you try to take short-cuts, particularly with mechanical connections, the consequences can far outweigh the initial time savings.

So when you're crimping cables, and especially when you're crimping coax, make sure you use the right crimping tool! All it takes is one intermittent connection and you'll use all the time you ever saved, plus a whole lot more! (I'd prefer to find the needle in a haystack!) Make sure you invest now - it's not worth the cost later.

Practical Practices
Money Saving Tips for the Engineer



BNC Connector Removal Tool

- For deep chassis removal
- Allows access to hard-to-reach places



Lower \$\$\$

Part No.	Product No.	Length	1	10	25
152047CG	HT2212	12"	\$13.99	\$12.59	\$9.44

Hex Crimp Tools

- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule
- 261745CG: 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule
- 261737CG: Ferrules up to 1/2"

261745CG

SALE



Part No.	Description	1	5
261745CG	Hex crimp tool (3/8")	\$19.75	\$18.55
261737CG	Hex crimp tool (1/2")	18.49	16.65



N-Type Crimp Plug

- Silver-plated
- Attachment (outer/inner): crimp/crimp

697012CG: RG8/9/87A/213/214/225

697021CG: RG55/142/223/400

188445CG: RG58/141

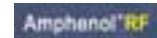
188445CG



NEW

Part No.	Product No.	1	10	25
697012CG	82-4425	\$14.15	\$13.71	\$13.10
697021CG	82-5370	10.35	10.05	9.61
188445CG	82-5375-RFX	5.15	4.35	2.96

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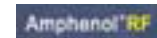
N-Type Adapter

- In-series
- Socket/socket
- Body style: bulkhead
- Brass, nickel plated
- Contact: Beryllium copper, silver plated

NEW



Part No.	Product No.	1	10	100
697039CG	82-66	\$24.99	\$24.26	\$22.36



SMA Crimp Plug

- Frequency range: 0-18GHz
- Outer cable attachment: crimp
- Inner cable attachment: solder
- Construction: captive contact
- Type: crimp plug
- Material: brass
- For RG174/U, RG188/U, and RG316/U cables



Lower \$\$\$

Part No.	Product No.	1	10	25
188488CG	901-9877-RFX	\$2.79	\$2.30	\$1.73



SMA PCB Jacks

- Applications: cellular phone, data communication, instrumentation, and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C



188509CG

188525CG

Part No.	Product No.	1	10	25
188509CG	901-144-8-RFX	\$3.25	\$2.73	\$2.35
188525CG	901-143-6-RFX	5.19	4.20	3.65



SMA Adapter

- In-series
- Socket/socket
- Body style: straight
- DC-18GHz max.

NEW



Part No.	Product No.	1	10	100
697047CG	901-9209A	\$18.79	\$18.25	\$16.32

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BNC Connectors and Adapters

- Frequency range: 0-4GHz
- Contact plating: silver/gold
- Cable type: 223360CG: RG55/141/142/223/400
223474CG: RG59/62/140/210, Belden 8241/8263/8279/9209
696159CG: RG174/188A/316/Belden 7805A
188349CG: RG174/188/316
567630CG: RG58/141
567664CG/567672CG: Belden 9248/1694A/RG6
696757CG: RG174/188A/316/Belden 7805A

- Working voltage: 500V
- Body plating: nickel/tin-lead
- 223394CG: RG59/62/71/140/210/302
- 696141CG: RG108A
- 188306CG: RG58/184
- 567605CG: RG59/62
- 567648CG: RG59/62/140/210/302
- 567681CG: Belden 8218



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223360CG	31-5	1	UG-89/U	50Ω jack, straight, clamp/solder	\$5.05	\$4.54	\$3.35
567699CG	31-9-RFX	—	—	50Ω BNC adapter, R/A, jack-plug	3.09	3.01	2.95
696132CG	31-10	—	—	50Ω receptacle, straight/bulkhead, solder cup	5.79	5.62	4.89
223394CG	31-12	2	UG-260/U	50Ω plug, straight, clamp	7.29	5.54	5.14
223415CG	31-17	3	CW-159/U	50Ω male shorting cap	6.09	5.73	4.36
223431CG	31-202	4	UG-88C/U	50Ω plug, straight, solder cup	4.35	3.69	2.84
223440CG	31-203	5	UG-290A/U	50Ω receptacle, straight/flange, solder cup	\$7.25 6.19	5.00	4.12
223458CG	31-208	6	UG-274A/U	50Ω T-adapter, jack-plug-jack	8.59	6.59	6.49
188429CG	31-208-RFX	6	—	50Ω Jack-plug-jack	4.19	3.39	2.65
223474CG	31-212	2	UG-260B/U	50Ω plug, straight, clamp/solder	4.19	3.21	2.95
223482CG	31-218	7	UG-491A/U	50Ω in-series adapter, plug-plug	8.35	6.99	6.21
223491CG	31-219	8	UG-914/U	50Ω in-series adapter, jack-jack	4.55	4.22	3.19
188411CG	31-219-RFX	8	—	50Ω Straight jack-to-jack	2.99	2.66	1.99
188402CG	31-220G-RFX	10	—	50Ω Gasketed jack-to-jack	4.15	3.69	2.52
223554CG	31-3220	10	UG-492D/U	50Ω bulkhead adapter, straight, jack-jack	10.25	8.83	7.19
223511CG	31-221	11	UG-1094/U	50Ω bulkhead receptacle, straight, solder cup	\$3.15 2.45	1.94	1.45
223538CG	31-2221	12	UG-1094A/U	50Ω bulkhead receptacle, straight, solder cup	2.89	2.48	1.81
696141CG	31-2226	2	—	50Ω plug, twin BNC, straight, clamp/solder	18.49	17.96	16.58
223520CG	31-236	11	UG-625B/U	50Ω bulkhead receptacle, straight, pin/pin	2.79	2.23	2.21
696159CG	31-315	13	—	50Ω plug crimp, 3-piece	6.25	6.05	5.25
188349CG	31-315-RFX	13	—	50Ω plug crimp, 3-piece	1.99	1.63	1.22
188306CG	31-320-RFX	13	—	50Ω plug crimp, 3-piece	1.49	1.26	1.03
567605CG	31-321-RFX	13	—	50Ω plug crimp, 3-piece*	1.39	1.25	1.14
567613CG	31-4700	—	—	50Ω bulkhead plug, FCP for RG58	4.65	4.48	4.27
567621CG	31-5136	—	—	50Ω bulkhead plug, Supertwist® for RG59	4.25	3.89	3.55
567630CG	31-5800	13	—	50Ω plug crimp, 3-piece	2.05	1.88	1.73
567648CG	31-5900	13	—	50Ω plug crimp, 3-piece	2.05	1.88	1.71
567664CG	31-7000	13	—	75Ω plug crimp, 3-piece	4.89	4.54	4.18
567672CG	31-7000-RFX	13	—	75Ω plug crimp, 3-piece	2.49	2.24	2.07
567681CG	31-71033	13	—	75Ω plug crimp, 3-piece	3.09	2.92	2.68
567701CG	68175-5RFX	13	—	50Ω plug, crimp for RG59	1.39	1.28	1.18
696757CG	69475	2	—	50Ω plug, straight, clamp/solder	8.99	8.71	7.58

* Nickel-plated/Gold plated brass contacts Blue Part No. = Limited Quantity Available














































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♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Amphenol Connex

BNC Connectors and Adapters 50Ω/75Ω


Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
295953CG	112116		1	A 50Ω straight crimp plug, captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$1.40	\$1.34	\$1.28
295970CG	112119		1	A 75Ω straight crimp plug, captive contact	RG-59/62/140/210	1.45	1.39	1.32
296008CG	112132		1	B 50Ω straight crimp plug, captive contact	RG-174/188A/316/B7805A	1.85	1.76	1.68
296016CG	112133		1	B 75Ω straight crimp plug, captive contact	RG-179/187/B9221	1.40	1.34	1.28
296032CG	112144		2	A 50Ω straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	1.79	1.71	1.62
296041CG	112160		2	B 50Ω straight crimp jack	RG-174/188A/316/B7805A	1.89	1.79	1.70
296631CG	112161		2	B 75Ω straight crimp jack	RG-179/187/B9221	1.89	1.79	1.70
296420CG	112162		3	A 50Ω right angle crimp/solder plug	RG-58/58A/58C/141/303/LMR195/B7806A	3.09	2.95	2.81
296614CG	112178		3	B 50Ω right angle crimp/solder plug	RG-174/188A/316/B7805A	3.49	3.43	3.09
658371CG	112202		4	A 50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	2.99	2.62	2.37
658398CG	112234		4	B 50Ω bulkhead crimp jack	RG-174/188A/316/B7805A	2.95	2.55	2.29
658401CG	112235		4	B 75Ω bulkhead crimp jack	RG-179/187/B9221	2.95	2.71	2.47
658435CG	112290		5	— 50Ω panel receptacle jack	All 50Ω coax cables	2.85	2.72	2.59
658478CG	112349		6	— 50Ω jack-to-jack blkhead adapter, isolated	—	4.09	4.19	3.79
296059CG	112404		7	— 50Ω straight PCB mount jack	All 50Ω coax cables	1.55	1.42	1.29
658427CG	112424		8	— 50Ω receptacle jack, solder terminal	All 50Ω coax cables	1.59	1.51	1.43
296067CG	112431		9	— 50Ω bulkhead rec. jack, isolated, solder term.	All 50Ω coax cables	2.75	2.46	2.21
658451CG	112437		10	— 50Ω jack-to-jack bulkhead adapter	All 50Ω coax cables	2.65	2.53	2.41
658460CG	112438		10	— 75Ω jack-to-jack adapter	All 75Ω coax cables	2.65	2.53	2.41
296075CG	112440		10	— 75Ω bulkhead jack-to-jack adapter, isolated	All 75Ω coax cables	3.75	3.45	3.15
658486CG	112443		11	— 50Ω jack-to-jack bulkhead adapter, isolated	All 50Ω coax cables	2.95	2.81	2.67
658494CG	112444		11	— 75Ω jack-to-jack bulkhead adapter, isolated	All 75Ω coax cables	2.95	2.81	2.67
658507CG	112445		12	— 50Ω jack-to-jack adapter	All 50Ω coax cables	1.89	1.79	1.70
296083CG	112446		12	— 75Ω jack-to-jack adapter	All 75Ω coax cables	1.89	1.79	1.70
658515CG	112461		13	— 50Ω T-adapter, jack-plug-jack	All 50Ω coax cables	1.85	1.76	1.66
658380CG	112505		4	A 50Ω bulkhead crimp jack	RG-55/142/223/400	2.89	2.78	2.67
296091CG	112507		1	A 50Ω straight crimp plug	RG-59U 20AWG/B-91-8/B1515/B9104	1.55	1.52	1.38
296198CG	112508		1	E 75Ω straight crimp plug, captive contact	RG-6/143/212/B3092/B3093	1.46	1.39	1.33
295996CG	112512		1	B 50Ω straight crimp plug, captive contact	316/U double braided	1.99	1.98	1.43
296622CG	112513		2	A 50Ω straight crimp jack	RG-55/142/223/400	1.79	1.71	1.62
296104CG	112514		1	A 50Ω straight crimp plug, captive contact	RG-55/142/223/400	1.47	1.41	1.35
296024CG	112516		1	B 50Ω straight crimp plug, captive contact	RG-178/196	2.05	1.88	1.71
296497CG	112526		3	A 50Ω BNC right angle crimp/solder plug	RG-55/142/223/400	4.15	3.99	3.78
296139CG	112533		1	A 50Ω straight crimp plug, captive contact	RG-8X/LMR240/B7808A	1.48	1.42	1.35
658443CG	112538		14	— 50Ω straight jack PCB mount	All 50Ω coax cables	1.55	1.48	1.41
296243CG	112551		1	— 50Ω straight solder plug, 0.141 semi-rigid	RG-402/U	1.69	1.56	1.41
296112CG	112562		1	D 50Ω straight crimp plug, captive contact	RG-8/8A/213/393	4.59	4.15	3.71
296147CG	112563		1	L 50Ω straight crimp plug, captive contact	B9913/LMR400/B7810A/B8214	4.39	4.19	4.00
296121CG	112565		1	E 75Ω BNC straight crimp plug, captive contact	RG- B1694A/B889248	1.65	1.62	1.45
658419CG	112581		4	— 50Ω bulkhead crimp jack, 0.141 semi-rigid	RG-402/U	2.85	2.58	2.32
295988CG	112597		10	— 50Ω BNC straight crimp plug, captive contact	RG- LMR200/B7807A	1.85	1.82	1.65
658540CG	202100		15	— Male cap with chain	All BNC female connectors	1.79	1.71	1.62
658523CG	202103		16	— 50Ω terminator plug	All 50Ω coax cables	1.79	1.71	1.62
658531CG	202105		16	— 75Ω terminator plug	All 75Ω coax cables	1.89	1.79	1.70
65858CG	202114		15	— Male shorting cap with chain	All BNC female connectors	2.45	2.35	2.25

* Crimp tools for these connectors, below



Interconnects

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Amphenol Connex

Universal Hand Crimp Tools











Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.

- 667850CG/667884CG/667892CG/667905CG/668027CG: for BNC/TNC connectors
- 667868CG/667981CG: for N type connectors

- 667921CG: for BNC/TNC/N type connectors



667850CG

Part No.	Product No.	Crimp Tool	Die Cavities (in.)	Cable Groups	1	5
667850CG	47-10070		A .255/.213/.068	RG-55/58/59/62/141/142/223/303/400	\$45.65	\$42.75
667905CG	47-10150		B .178/.128/.068	RG-174/188/316/179/187/180/195/178/196	45.65	42.75
667913CG	47-10160		C .151/.178/.213	.151 Hex 316/179/Double braid	57.05	56.05
667868CG	47-10090		D .429/.100/.080	RG-8/11/213/214/225/393/N Series	45.65	42.75
667981CG	47-10230		D .429/.213/.100	RG-8/11/213/214/225/393/58/141/223/55/142/400	46.75	44.99
667884CG	47-10110		E .324/.255/.068/.042	RG-6/59/B8281	45.65	42.75
667892CG	47-10120		F .213/.178/.068/.042	RG-58/174/188/316/179/187/142/141/223/400/55	46.75	44.99
667921CG	47-10180		J .255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	45.65	42.75
667964CG	47-10210		L .429/.118	LMR400/B9913/B9914/B7810A	45.65	42.75
668027CG	47-10270		R .178/.128/.068/.042	BNC/TNC .068 and .042 crimp center contact	48.45	46.14
667833CG	47-10000	—	—	Frame only	43.75	40.71

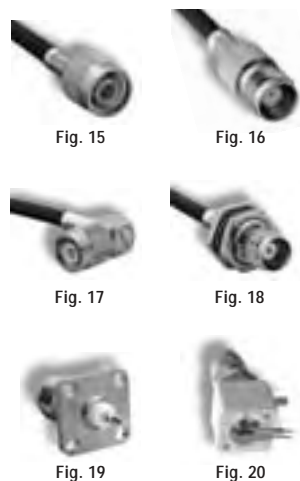
 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Amphenol Connex

Type N Connectors 50Ω

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296454CG	172100	R	1	J Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$3.55	\$3.06	\$2.96
296462CG	172102	R	1	D Straight crimp plug captive contact	RG-8/8A/213/393	3.89	3.72	3.54
296489CG	172103	R	2	J Straight crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	3.55	3.38	3.20
659198CG	172106	R	3	J Bulkhead crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	5.35	4.66	4.49
659251CG	172117	R	4	— Panel receptacle jack	—	4.05	3.87	3.69
659260CG	172118	R	5	— Panel receptacle jack, solder terminal	—	5.55	5.35	5.06
659278CG	172119	R	6	— Panel receptacle jack, solder terminal	All 50Ω coax cables	4.35	3.99	3.64
659286CG	172122	R	7	— Plug-to-plug adapter	All 50Ω coax cables	5.85	5.59	5.34
659294CG	172123	R	8	— Jack-to-jack adapter	All 50Ω coax cables	4.15	3.99	3.80
659307CG	172124	R	9	— Bulkhead jack-to-jack adapter	—	5.89	5.65	5.39
659315CG	172126	R	10	— Angled plug-to-jack adapter	—	7.35	7.09	6.99
296500CG	172128	R	1	B/J Straight crimp plug captive contact	RG-174/188A/316/B7805A	4.75	4.09	3.96
296518CG	172129	R	3	B Bulkhead crimp jack captive contact	RG-174/188A/316/B7805A	5.35	4.62	4.47
296526CG	172132	R	3	J Bulkhead crimp jack captive contact	RG-55/142/223/400	5.09	4.87	4.65
296534CG	172133	R	11	— Straight solder plug, 0.141 semi-rigid	RG-402/U	3.69	3.36	3.03
296542CG	172135	R	1	J Straight crimp plug captive contact	RG-8X/LMR240/B7808A	3.79	3.31	3.20
296551CG	172137	R	3	— Bulkhead solder jack, 0.141 semi-rigid	RG-402/U	5.35	4.85	4.38
296569CG	172138	R	3	— Bulkhead solder jack, 0.085 semi-rigid	RG-405/U	5.29	4.82	4.33
659155CG	172139	R	1	— Straight solder plug, 0.250 semi-rigid	0.250 semi-rigid	4.85	4.13	3.79
659243CG	172147	R	2	J Straight crimp jack captive contact	RG-55/142/223/400	3.49	3.35	3.20
659201CG	172149	R	3	J Bulkhead crimp jack captive contact	RG-8X/LMR240/B7808A	5.09	4.43	4.28
659139CG	172166	R	1	D Straight crimp plug captive contact	RG-214/225	4.29	4.09	3.75
659121CG	172171	R	B/J	Straight crimp plug captive contact	RG-316/U double braided	5.19	4.95	4.72
659235CG	172173	R	12	B/J Straight crimp panel jack captive contact	RG-174/188A/316/B7805A	6.29	6.03	5.76
659227CG	172175	R	12	J Straight crimp panel jack captive contact	RG-55/142/223/400	6.89	6.55	6.29
659180CG	172176	R	12	L Right angle crimp plug	B9913/LMR400/B7810A/B8214	6.05	5.50	5.17
659163CG	172177	R	12	A Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	7.39	6.44	6.22
296593CG	172178	R	13	A Right angle crimp plug	RG-55/142/223/400	7.69	6.61	6.06
659171CG	172180	R	13	B/J Right angle crimp plug	RG-174/188A/316/B7805A	7.35	6.40	6.19
296606CG	172203	R	2	L Straight crimp jack captive contact	B9913/LMR400/B7810A/B8214	3.39	3.08	2.77
659147CG	172206	R	1	HEX Straight crimp plug captive contact	LMR600	8.55	7.44	7.19
659219CG	172208	R	12	J Straight crimp panel jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	5.55	5.31	5.06
659112CG	172214	R	1	J Straight crimp plug captive contact	LMR200/B7807A	3.25	2.92	2.63
659323CG	202102	R	14	— N male cap and chain, nickel plated	—	1.69	1.61	1.51



Amphenol Connex

TNC Connectors 50Ω/75Ω

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296155CG	122108	R	15	A 50Ω straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	\$1.37	\$1.20	\$1.16
658574CG	122111	R	15	A 75Ω straight crimp plug	RG-59/62/140/210	1.40	1.34	1.28
658603CG	122116	R	15	B 50Ω straight crimp plug	RG-174/188A/316/B7805A	1.75	1.52	1.47
658671CG	122122	R	16	A 50Ω straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	1.99	1.69	1.55
658611CG	122140	R	17	A 50Ω right angle crimp/solder plug	RG-58/58A/58C/141/303/LMR195/B7806A	2.99	2.58	2.50
658638CG	122148	R	17	B 50Ω right angle crimp/solder plug	RG-174/188A/316/B7805A	3.25	2.83	2.74
296171CG	122160	R	18	A 50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	2.89	2.49	2.40
296180CG	122192	R	18	B 50Ω bulkhead crimp jack	RG-174/188A/316/B7805A	2.89	2.49	2.40
658700CG	122248	R	19	— 50Ω panel receptacle jack	All 50Ω coax cables	2.19	2.12	2.05
658697CG	122332	R	20	— 50Ω bulkhead receptacle jack, solder trmlns	—	1.65	1.59	1.49
658646CG	122358	R	18	B 50Ω bulkhead crimp jack	RG-316/U double braided	2.85	2.63	2.40
658654CG	122370	R	18	B 50Ω bulkhead crimp jack	RG-178/196	3.35	3.20	3.05
658689CG	122373	R	20	A 50Ω straight crimp jack	RG-55/142/223/400	1.55	1.47	1.39
296201CG	122393	R	15	L 50Ω straight crimp plug	B9913/LMR400/B7810A/B8214	4.59	4.15	3.74
658582CG	122394	R	15	D 50Ω straight crimp plug	RG-8/8A/213/393	4.39	4.15	4.00
658591CG	122408	R	15	A 50Ω straight crimp plug	RG-8X/LMR240/B7808A	1.59	1.38	1.33
658566CG	122410	R	15	A 50Ω straight crimp plug	LMR200/B7807A	1.33	1.20	1.08
658620CG	122430	R	16	A 50Ω right angle crimp/solder plug	RG-55/142/223/400	3.19	2.93	2.68



Amphenol Connex

SMB Connectors 50Ω

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
659358CG	142186	R	21	B Straight crimp plug	RG-174/188A/316/B7805A	\$4.39	\$3.71	\$3.52
659366CG	142187	R	21	C Straight crimp plug	RG-316/U double braided	4.25	3.71	3.52
659340CG	142220	R	21	A Straight crimp plug	RG-55/142/223/400	4.49	2.58	4.03
659374CG	142229	R	21	B Straight crimp plug	RG-178/196	4.49	4.07	3.64

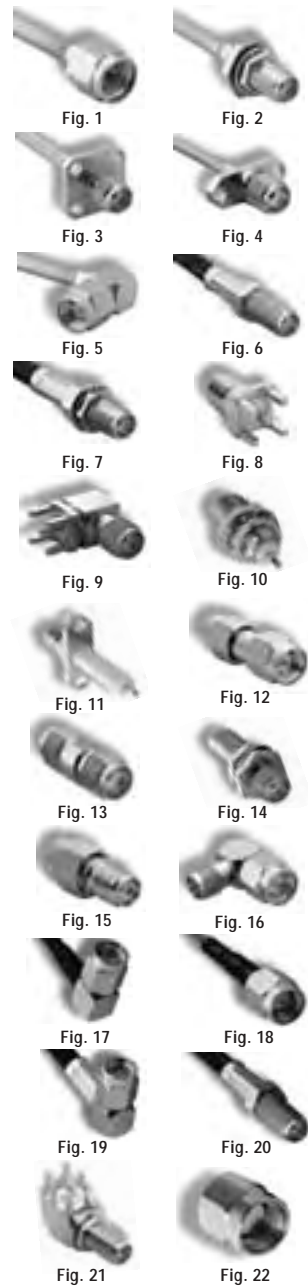
* Crimp tools for these connectors are on page 159

Amphenol Connex

SMA Connectors 50Ω

NEW

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
658718CG	132100	1	—	Straight cable plug, 0.141 semi-rigid	RG-402U	\$1.17	\$1.05	\$0.97
296251CG	132105	2	—	Bulkhead feed through cable jack-o-ring seal, 0.141 semi-rigid	RG-405U	3.99	3.60	3.26
296260CG	132106	2	—	Bulkhead feed through cable jack-o-ring seal, 0.085 semi-rigid	RG-402U	4.45	4.03	3.63
296278CG	132107	3	—	Panel mount cable jack, 4-hole square flange, 0.085 semi-rigid	RG-405U	4.65	4.45	4.24
658726CG	132108	3	—	Panel cable cable jack, 4-hole square flange, 0.141 semi-rigid	RG-402U/.141 semi-rigid	5.09	4.95	4.63
296286CG	132109	4	—	Panel mount cable jack, 2-hole flange, 0.085 semi-rigid	RG-402U	4.15	3.74	3.55
658734CG	132110	4	—	Panel mount cable jack, 2-hole flange 0.141 semi-rigid	RG-402U/.141 semi-rigid	4.79	4.59	4.29
296294CG	132111	5	—	Right angle cable plug, 0.085 semi-rigid	RG-405U	3.89	3.53	3.18
296307CG	132112	5	—	Right angle cable plug, 0.141 semi-rigid	RG-402U	3.89	3.53	3.18
296315CG	132113	1	A	Straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	2.49	2.24	2.02
296323CG	132114	1	B	Straight crimp plug	RG-174/188A/316/B7805A	2.49	2.24	2.06
296340CG	132116	6	A	Straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.69	3.33	3.00
658945CG	132117	6	B	Straight crimp jack	RG-174/188A/316/B7805A	3.69	3.33	3.00
658849CG	132118	7	A	Bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.85	3.47	3.13
296331CG	132119	7	B	Bulkhead crimp jack	RG-174/188A/316/B7805A	4.05	3.68	3.35
296358CG	132122	5	A	Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	4.99	4.51	4.07
296366CG	132123	5	B	Right angle crimp plug	RG-174/188A/316/B7805A	4.49	4.06	3.69
296374CG	132134	8	—	Straight jack, PCB terminals	All 50Ω coax cables	3.45	3.29	3.13
658996CG	132136	9	—	Right angle jack, PCB	All 50Ω coax cables	5.75	5.51	5.26
659016CG	132137	10	—	Bulkhead jack receptacle, solder terminal	—	4.25	4.09	3.85
659024CG	132147	11	—	Panel mount jack receptacle, 2-hole flange	—	5.79	4.99	4.59
659032CG	132168	12	—	Plug-to-plug adapter	All 50Ω coax cables	4.59	4.38	4.17
659041CG	132169	13	—	Jack-to-jack adapter	All 50Ω coax cables	3.85	3.67	3.50
659059CG	132170	14	—	Jack-to-jack adapter, bulkhead feedthrough	—	6.19	5.89	5.56
659067CG	132171	15	—	Plug-to-jack adapter	All 50Ω coax cables	4.25	4.05	3.86
659075CG	132172	16	—	Right angle plug-to-jack adapter	All 50Ω coax cables	6.09	5.63	5.04
658822CG	132182	17	C	Right angle crimp plug	RG-316/U double braided	5.85	5.54	5.29
658857CG	132191	7	A	Bulkhead crimp jack	RG-55/142/223/400	4.49	4.25	4.09
658777CG	132193	18	B	Right angle crimp plug	RG-178/196	4.99	4.79	4.49
658793CG	132194	19	A	Right angle crimp plug	RG-55/142/223/400	5.59	5.39	5.09
296403CG	132195	1	A	Straight crimp plug	RG-55/142/223/400	2.95	2.90	2.67
658961CG	132198	20	C	Straight crimp jack	RG-316/U double braided	3.55	3.58	3.24
659008CG	132203	21	—	Right angle bulkhead jack, PCB	All 50Ω coax cables	7.75	7.41	7.08
658751CG	132231	1	A	Straight crimp plug	RG-8X/LMR240/B7808A	4.09	3.70	3.48
658742CG	132234	1	A	Straight crimp plug	LMR200/B7807A	2.85	2.57	2.32
658806CG	132235	19	A	Right angle crimp plug	LMR200/B7807A	5.45	4.67	4.27
658814CG	132239	19	A	Right angle crimp plug	LMR200/B7807A	7.65	7.39	6.99
658865CG	132241	7	A	Bulkhead crimp jack	8X/LMR240/B7808A	4.55	3.89	3.55
658769CG	132298	19	L	Right angle crimp plug	B9913/LMR400/B7810A/B8214	6.05	5.19	4.75
659091CG	132360	—	—	Terminator plug	—	2.15	2.01	1.94
659104CG	132361	—	—	Terminator jack	—	2.19	2.09	2.01
659083CG	202112	22	—	Male cap	—	1.39	1.30	1.24



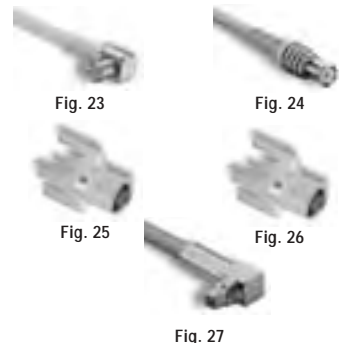
Interconnects

Amphenol Connex

MCX/MMCX Connectors 50Ω

NEW



Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296649CG	252102	23	B	MCX right angle crimp plug	RG-174/188A/316/B7805A	\$4.35	\$3.84	\$3.55
662506CG	252103	24	B	MCX straight crimp plug	RG-174/188A/316/B7805A	4.15	4.09	4.04
296657CG	252105	25	—	MCX straight jack, PCB	All 50Ω coax cables	3.39	3.24	3.09
662522CG	252107	24	—	MCX straight solder plug, 0.085 semi-rigid	RG-405/U	3.19	3.08	2.91
296665CG	252109	23	—	MCX right angle solder plug, 0.085 semi-rigid	RG-405/U	4.25	4.05	3.86
662531CG	252115	23	A	MCX right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	5.49	5.29	4.96
662514CG	252127	24	B	MCX straight crimp plug	RG-178/196	5.05	4.83	4.61
662549CG	252153	26	—	MCX straight plug, PCB	—	4.55	4.39	4.13
296673CG	262102	27	B	MMCX right angle cable plug	RG-178/196	3.15	3.09	2.98
296681CG	262103	27	B	MMCX right angle cable plug	RG-174/188A/316/B7805A	3.15	3.09	2.98



* Crimp tools for these connectors are on page 159

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Color Code Legend
New **Sale** **Lower\$** **QtySave**

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BNC Connectors and Adapters



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Quantity SAVE

Lower \$\$\$

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355098CG	31-2	1	UG-88/U	50Ω BNC plug, clamp, for RG-58 /141/142/400 cables	\$3.59	\$2.75	\$2.55
311344CG	31-10-RFX	2	—	50Ω BNC jack, bulkhead	1.89	1.56	1.26
355101CG	31-202	1	UG-88C/U	50Ω BNC plug, clamp, for RG-55/58/141/142/223/400 cables	3.59	3.07	2.30
355119CG	31-203	3	UG-290A/U	50Ω BNC receptacle, panel mount, solder cup	5.65	5.19	3.16
355127CG	31-208-RFX	4	UG-274A/U	50Ω BNC T-adapter, jack-plug-jack	3.29	2.81	1.92
355135CG	31-212	1	UG-260B/U	50Ω BNC plug, clamp, for RG-59/62/71/140/210/302 cables	3.49	2.67	2.00
363961CG	31-218	5	UG-491A/U	50Ω BNC straight adapter, plug-plug	7.69	5.91	4.88
355152CG	31-219-RFX	6	UG-914/U	50Ω BNC straight adapter, jack-jack	2.49	2.21	1.68
363979CG	31-220G-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.75	2.47	1.69
355362CG	6775	1	UG-959/U	50Ω BNC plug, clamp/solder, for RG-8/9/87A/213/214/225	8.09	7.99	5.99
311319CG	68175-5RFX	9	—	50Ω BNC 3-pc plug for crimp RG-59	1.05	.96	.72
311327CG	69475	1	—	50Ω BNC plug, clamp for RG-174/179/187/188/316	5.85	4.72	3.54
311351CG	31-220N-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.99	2.71	2.46
355178CG	31-221	8	UG-1094/U	50Ω BNC bulkhead receptacle w/ grounding lug, solder cup	2.05	1.63	1.22
311378CG	31-315	9	—	50Ω BNC 3-pc cable crimp plug, for RG-174 cables	4.49	3.80	3.12
355215CG	31-315-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	1.55	1.38	1.36
355223CG	31-318-RFX	11	—	50Ω BNC bulkhead jack, for RG-174/188/316 cables	2.95	2.75	2.22
355240CG	31-320-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-58/141 cables	1.32	1.25	1.23
311394CG	31-321	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	3.25	2.94	2.71
311408CG	31-321-RFX	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	1.35	1.21	1.09
355258CG	31-2221	13	UG-1094A/U	50Ω BNC bulkhead receptacle, solder cup	2.39	2.06	1.52
311511CG	31-70000	14	—	75Ω 3-pc plug, crimp, RG-6 type, Belden 9248/1694A	4.19	3.49	2.61
311520CG	31-70008-1000	14	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	4.65	4.23	3.17
311538CG	31-71000-RFX	15	—	75Ω BNC 3-pc plug, crimp, for RG-6 type 0.295" O.D. cables, Belden 9248/1694A cables	1.89	1.78	1.33
311546CG	31-71008-RFX	16	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	1.42	1.29	1.18
311554CG	31-71013-RFX	17	—	75Ω BNC plug, crimp, for RG-179/187 cables	1.75	1.60	1.50
311562CG	31-71014-RFX	18	—	75Ω BNC jack, crimp, for RG-179/187 cables	1.75	1.69	1.49
311571CG	31-71032	19	—	75Ω BNC 3-pc plug, crimp, for Belden 8281/88281 cables	3.05	2.62	2.08
311589CG	31-71033	20	—	75Ω BNC 3-pc plug, crimp, for Belden 8218 cables	3.25	3.19	3.00



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

Blue Part No. = Limited Quantity Available

TNC Type Connector

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311415CG	31-2367-RFX	21	—	50Ω TNC plug, crimp-crimp, for RG-58/141 cables	\$1.35	\$1.29	\$1.07

Fig. 21



Type N Connectors

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311600CG	82-97-RFX	22	UG-58A/U	50Ω Type N receptacle jack, panel mount	\$3.25	\$2.59	\$2.10
311619CG	82-202-1006	23	—	50Ω Type N clamp plugs, for B9913/Amp TWB 4001 cables	6.59	4.97	4.07

Fig. 22



Fig. 23



SMA Connectors

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355282CG	901-143-6RFX	24	—	50Ω SMA jack, right angle, PC mount	\$4.35	\$3.85	\$3.60
355291CG	901-9876-RFX	25	—	50Ω SMA plug, crimp, for RG-58C/U; RG58/U cables	2.55	2.21	1.80
355303CG	901-9877-RFX	26	—	50Ω SMA plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	2.55	2.21	1.80

Fig. 24



Fig. 25



Fig. 26



MMCX Connector

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311686CG	908-43200	27	—	50Ω MMCX right angle plug, crimp for RG-178/U cables	\$6.35	\$5.15	\$3.86
311693CG	904-43300	27	—	50Ω MMCX right angle plug, crimp for RG-174/188/316	7.09	6.65	5.50

Fig. 27




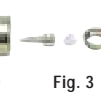
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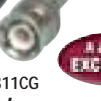

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Coax Connectors**

- Miniature, lightweight units designed to operate up to 11GHz and typically yield low reflection up to 4GHz







Quantity SAVE

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12

⊕ Blue Part No. = Limited Quantity Available

Part No.	Fig.	Description	1	10	100	500
71458CG	1	BNC male terminator (50Ω) ⊕	\$1.55	\$1.15	\$0.99	\$0.89
71790CG	1	BNC male terminator (75Ω) ⊕	1.35	1.09	.89	.73
135618CG	2	BNC male with pin and ferrule (RG6) ⊕	.89	.69	.45	.39
71482CG	2	BNC male with pin and ferrule (RG58) ⊕	1.65	1.49	1.35	1.25
71271CG	2	BNC male with pin and ferrule (RG59/62) ⊕	.81	.66	.59	.54
112109CG	2	BNC male with pin and ferrule (RG174) ⊕	1.59	1.45	1.29	1.15
119394CG	3	BNC male clamp-on (RG59/62) ⊕	1.39	1.25	1.15	.86
108994CG	4	BNC male twist-on (RG58) ⊕	1.49	1.35	1.19	.89
71781CG	4	BNC male twist-on (RG59/62) ⊕	1.09	.99	.89	.79
71589CG	5	BNC female panel mount (UG-1094A) ⊕	1.49	1.35	1.25	1.09
71909CG	6	BNC female/female coupler (UG-914) ⊕	1.29	.99	.85	.74
127343CG	7	BNC male/male coupler (UG-491B/U) ⊕	1.99	1.79	1.39	1.29
111561CG	8	BNC female isolated bulkhead ⊕	2.29	1.99	1.79	1.59
148224CG	9	BNC female bulkhead feed-thru ⊕	1.99	1.79	1.59	1.39
148232CG	9	BNC female isolated bulkhead feed-thru ⊕	2.49	2.25	1.79	1.35
127351CG	10	BNC M-F right angle (DG-306B/O) ⊕	2.49	2.19	1.85	1.59
160928CG	11	BNC female, crimp type (RG58) ⊕	1.25	1.09	.99	.89
161921CG	11	BNC female, crimp type (RG174) ⊕	1.49	1.35	1.19	1.05
174289CG	12	BNC female chassis mount ⊕	1.19	.98	.88	.79
174297CG	13	BNC female twist-on bulkhead ⊕	2.25	2.02	1.62	1.22
174254CG	14	BNC male to F connector female ⊕	1.99	1.59	1.45	1.19
207183CG	15	BNC male to RG58/59 crimp on ⊕	3.99	3.59	2.89	2.15

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC PCB Connectors**

- Maintains matching impedance at 50Ω & 75Ω
- Ideal for LAN cards & precision video ⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	Length (L)	1	10	100	500
146510CG	BNC female R/A plastic insulation ⊕	1.37"	\$1.95	\$1.75	\$1.49	\$1.25
161656CG	BNC female right-angle metal ⊕	.861"	2.29	1.99	1.79	1.34

Other Manufacturers — Great Deals

• Length: 0.830"

Part No.	Description	1	10	100	500
210884CG	BNC female straight/panel mount metal	\$1.35	\$1.20	\$1.09	\$0.99

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Adapters**

- Silver-plated • General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter ⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100	500
118594CG	Male to female/female T-adapter	\$2.39	\$2.15	\$1.75	\$1.25
207095CG	Female to male/male T-adapter ⊕	6.99	6.25	5.59	4.19
72629CG	Female to female/female T-adapter	2.49	2.25	1.99	1.69
207087CG	Female to male/female T-adapter ⊕	9.55	8.59	7.16	5.37
100597CG	Male to female/female T-adapter (180°) ⊕	5.99	5.39	4.85	3.99
207116CG	Male to female/female/female T-adapter ⊕	7.19	6.45	5.79	4.95
117461CG	Male to female/female F-adapter (90°) ⊕	4.29	3.89	3.49	2.99
207124CG	Male/male to female/female T-adapter	4.49	4.05	3.25	2.45
207167CG	RCA female to BNC female ⊕	1.99	1.79	1.59	1.39
114788CG	RCA female to BNC male adapter ⊕	1.35	1.05	.99	.98
207175CG	RCA male to BNC male ⊕	1.55	1.36	1.22	.92
114753CG	RCA male to BNC female adapter ⊕	1.59	1.45	1.29	1.09
114770CG	BNC female to "F" connector male adapter	1.79	1.59	1.39	1.19
207141CG	3.5mm mono male to BNC female ⊕	1.69	1.49	1.27	.95

Quantity SAVE

JAMECO ValuePro **A JAMECO EXCLUSIVE** **BNC Male Coax Cables**

181307CG 152311CG

RG6 75Ω Cables

Part No.	Description	1	10	50	100
176794CG	3' BNC to BNC ⊕	\$3.95	\$3.55	\$3.19	\$2.89
176815CG	6' BNC to BNC ⊕	4.95	4.49	4.05	3.35

RG58/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
181307CG	CRG58-1RR ⊕	1⊕	\$3.65	\$3.29	\$2.95	\$2.75
102314CG	CRG58-1 ⊕	1.5	3.99	3.39	2.87	2.15
256743CG	CBB-224-24 ⊕	2	4.15	3.69	3.32	2.99
11404CG	CRG58-3	3	4.29	3.89	3.49	3.15
102331CG	CRG58-6	6	4.39	3.99	3.59	3.19
152311CG	RG58MF-6 ⊕*	6	2.95	2.66	2.12	1.59
180822CG	CRG58-10	10	4.49	3.99	3.40	2.99
102350CG	CRG58-12 ⊕	12	4.95	4.49	3.99	3.39
169818CG	CRG58-15 ⊕	15	5.95	5.36	4.66	4.34
102381CG	CRG58-100	100	13.49	12.14	9.71	7.28

* 152311CG has male & female coax ⊕ Blue P/N = Limited Qty Available

Other Manufacturers

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
102357CG	CRG58-25	25	\$6.49	\$5.84	\$5.26	\$4.75
102365CG	CRG58-50	50	9.49	8.54	6.83	5.12

RG59/U 75Ω Cables

- For CATV and video patch cords

85542CG

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
86471CG	CRG59-1 ⊕	1.5	\$2.99	\$2.69	\$2.45	\$2.19
85542CG	CRG59-6 ⊕	6	3.75	3.38	3.04	2.56
102373CG	CRG59-12	12	5.49	4.95	4.45	3.99
262730CG	EBC-525 ⊕	25	9.95	8.95	8.05	7.25
262748CG	EBC-550 ⊕	50	17.05	16.25	15.45	14.69
262764CG	EBC-510 ⊕	100	30.39	28.89	27.45	25.99

RG174/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
111472CG	RG174U3 ⊕	3	\$3.85	\$3.49	\$3.15	\$2.85
111481CG	RG174U6 ⊕	6	4.59	4.15	3.75	3.35



75Ω "F" Connectors/Adapters/Terminators



Part No.	Ref. No.	Fig.	Description	1	10	50	100
291581CG	200-016	1	Perma-seal, RG-59 coax	\$.69 \$.55	\$.498	\$.424	\$.318
291531CG	200-028	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CG	200-050	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CG	200-051	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CG	200-053	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CG	200-107	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295398CG	200-103	5	F-jack to push-on plug (nickel)	.85	.69	.63	.523
295435CG	200-104	5	F-jack to push-on plug (gold)	1.15	.99	.95	.89
295531CG	200-117	6	F-jack to 3.5mm mono plug (nickel)	1.65	1.35	1.13	.93
295451CG	200-075	7	F-plug terminator	.55	.45	.35	.25
309657CG	200-045	8	RCA female to F male adapter	1.75	1.35	.97	.87

75Ω "F" Connectors



Part No.	Cross Ref No.	Fig.	Description	1	10	50	100
289828CG	200-030	1	RG-59 crimp-on nickel plated	\$.22	\$.20	\$.17	\$.14
289908CG	200-031	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CG	200-035	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CG	200-036	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CG	200-039	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CG	200-040	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CG	200-038	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CG	200-024	4	RG-6 crimp-on weatherproof seal	.55	.46	.37	.33

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SMA Connectors, Adapters and Couplers



- Application: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C
- 50Ω impedance
- Plating: gold and nickel

Blue Part No. = Limited Quantity Available

Connectors

Part No.	Description	Cable Type	Plated	1	10	50	100
157972CG	SMA 50Ω crimp type male plug connector	RG-58	Gold	\$3.99 \$3.79	\$3.49	\$3.09	\$2.89
153365CG	SMA 50Ω crimp type male plug connector	RG-174	Gold	4.39	3.95	3.55	3.19
145381CG	SMA straight female PCB mount connector, 4 legs	—	Gold	5.25	4.75	4.25	3.49
145373CG	SMA 90° female PCB mount connector, 4 legs	—	Gold	7.39	6.65	5.95	5.39
153285CG	SMA bulkhead solder female w/ washer, rear mount	RG-58/174	Gold	3.49	3.15	2.85	2.59
159530CG	SMA female panel mount conn., 4 mounting holes	RG-58/174	Gold	2.95	2.65	2.35	1.76
160021CG	SMA female panel mount conn., 2 mounting holes	RG-58/174	Gold	3.99	3.59	3.25	2.95
160012CG	Panel mount feed thru connector female - female	—	Nickel	4.99	4.49	3.99	3.49

*159530CG/160021CG: Solder cup

Couplers



Part No.	Description	Plated	1	10	50	100
153293CG	SMA straight coupler female - jack-to-jack	Gold	\$3.85	\$3.39	\$2.19	\$1.79
161277CG	SMA 3-way coupler, 1 male - 2 female	Gold	3.49	3.15	2.85	2.55
161293CG	SMA straight coupler male - male	Gold	3.65	3.29	2.95	2.75
161306CG	SMA right angle coupler male - female	Gold	4.99	4.49	3.99	3.65

SMA to BNC Adapters



Part No.	Description	Plated	1	10	50	100
153453CG	SMA female to BNC male adapter	Nickel	\$2.49	\$2.25	\$1.99	\$1.79
159468CG	SMA female to BNC female adapter	Nickel	2.69	2.45	2.19	1.99
153592CG	SMA male to BNC male adapter	Nickel	3.99	3.59	3.19	2.89
159476CG	SMA male to BNC female adapter	Nickel	2.99	2.69	2.45	2.19

SMB Connectors



- For use with RG-174 coax
- 50Ω crimp type
- Gold plated
- Use with crimping tool P/N 114534CG, pg 311

Part No.	Description	1	10	50
172363CG	Bulkhead crimp jack	\$3.49	\$2.95	\$2.21
172371CG	Cable crimp plug	4.29	3.89	3.49

SMB PCB Connector

- 0-4GHz electrical performance
- Gold plated brass
- Insulation: teflon
- Contact: beryllium copper

Part No.	Description	1	10	50
167312CG	Right angle PCB	\$4.45	\$3.89	\$3.25

Cinch SMA Connectors

- Jacks and plugs
- Straight
- Right angle
- Edgemount



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SMA/SMB 50Ω Coax Cables



Fig. 1: SMA male to SMA male
 Fig. 2: SMA male to SMA right angle male
 Fig. 3: SMA right angle male to SMA right angle male
 Fig. 4: SMB plug to SMB plug

Blue Part No. = Limited Quantity Available

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370CG	RG-58	1	2	\$4.49	\$3.99	\$3.49
159396CG	RG-58	2	6	\$4.49	\$3.99	\$3.49
169800CG	RG-174	1	0.5	\$5.59	\$4.99	\$4.55
163855CG	RG-174	1	1	\$4.49	\$3.95	\$3.39
153381CG	RG-174	1	2	\$4.95	\$4.29	\$3.39
153391CG	RG-174	1	4	\$4.49	\$4.75	\$4.29
159450CG	RG-174	1	6	\$6.79	\$6.15	\$5.55
175126CG	RG-174	2	0.5	\$4.49	\$3.95	\$3.49
175134CG	RG-174	2	1	\$4.95	\$4.25	\$3.75
175142CG	RG-174	3	0.5	\$5.75	\$5.25	\$4.49
175151CG	RG-174	3	1	\$6.25	\$5.75	\$4.75
175169CG	RG-174	4	0.5	\$4.29	\$3.89	\$3.49
175177CG	RG-174	4	1	\$5.29	\$4.79	\$3.95

BEAU Terminal Blocks

- 0.375" double row
- Current rating: UL rated 15A @ 300V, #14AWG
- Wire AWG range: 12 – 24AWG
- Insulation resistance: >5000MΩ
- Terminal: brass, nickel plated
- Dielectric withstanding voltage: 7500VDC
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 steel, zinc chromate plate



Part No.	Product No.	Beau No.	Pos.	1	25	50
659391CG	38770-0102	77002	2	\$0.74	\$0.65	\$0.60
659403CG	38770-0103	77003	3	.80	.74	.65
659411CG	38770-0104	77004	4	.98	.89	.71
659420CG	38770-0105	77005	5	1.21	1.16	.92
659438CG	38770-0106	77006	6	1.55	1.39	1.11
659446CG	38770-0107	77007	7	1.59	1.43	1.15
659454CG	38770-0108	77008	8	1.89	1.71	1.37
659462CG	38770-0109	77009	9	2.65	2.43	2.29
659471CG	38770-0110	77010	10	2.25	2.05	1.64
659489CG	38770-0112	77012	12	2.45	2.33	1.86
659497CG	38770-0114	77014	14	2.99	2.76	2.20
659500CG	38770-0115	77015	15	2.85	2.69	2.39
659518CG	38770-0116	77016	16	3.39	3.12	2.49
659526CG	38770-0118	77018	18	4.59	4.37	4.16
659534CG	38770-0120	77020	20	3.95	3.87	3.09
659542CG	38770-0122	77022	22	4.45	4.10	3.27
659551CG	38770-0124	77024	24	4.65	4.56	3.64
659569CG	38770-0130	77030	30	6.15	5.64	4.49

Cinch Plug Buttons

- Nickel plated steel
- Spring tension prongs

448614CG



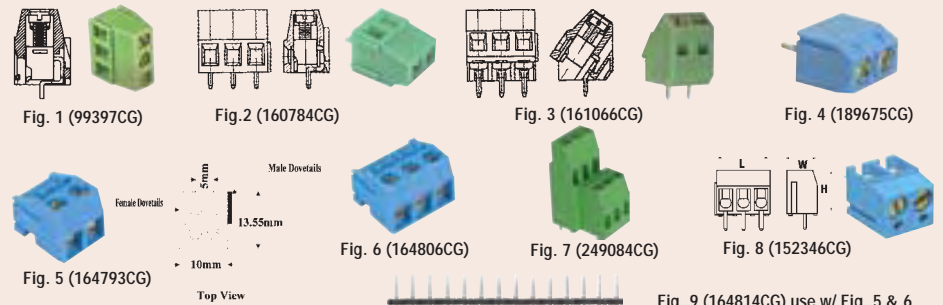
Part No.	Prod. No.	Hole Dia.	Cup Dia.	1	25
448622CG	41B	0.375"	0.500"	\$0.84	\$0.67
448614CG	41C	0.500"	0.656"	.67	.532
448606CG	41V	1.00"	1.156"	3.59	2.85

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Terminal Blocks and Header

- For detailed specifications, please see our website at www.Jameco.com
- 164814CG: Male header (.197") for use with 164793CG and 164806CG



Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99426CG	Dinkle	DT128/2	1	2	0.197"/5mm	\$.72	\$.55	\$.44	\$.40
99397CG	Dinkle	DT128V3P	1	3	0.197"/5mm	.99	.89	.79	.59
160784CG	Dinkle	EK500V-02P	2	2	0.197"/5mm	.65	.55	.45	.39
160792CG	Dinkle	EK500V-03P	2	3	0.197"/5mm	.95	.85	.75	.69
161066CG	Dinkle	EK500A-02P	3	2	0.197"/5mm	.75	.65	.49	.39
161058CG	Dinkle	EK500A-03P	3	3	0.197"/5mm	.95	.85	.75	.69
189675CG	OST	EDC500/2DS	4	2	0.197"/5mm	.79	.71	.64	.58
189667CG	OST	EDC500/3DS	4	3	0.197"/5mm	.89	.80	.72	.61
164793CG	OST	EDC130/2DS	5	2	0.197"/5mm	.59	.53	.47	.42
164806CG	OST	EDC130/3DS	6	3	0.197"/5mm	.84	.76	.62	.54
249084CG	OST	EDZ750/3	7	3	0.200"/5.08mm	\$2.45 2.05	1.83	1.63	1.44
152346CG	OST	EDC120/2DS	8	2	0.200"/5.08mm	.65	.55	.45	.39
152354CG	OST	EDC120/3DS	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814CG	OST	EDSTL130/24	9	24	0.197"/5mm	2.19	1.97	1.80	1.36

Cinch

Double Row Barrier Blocks

- Voltage rating: 250VAC RMS max.
- Eyelet material: brass with nickel plating
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating
- Solder terminal material: brass with electro-tin plating



140 Series 15A

- 3750-watts per terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16"
- Density: 0.375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973CG	2-140	2	1.41"	\$.99	\$.89	\$.74
230981CG	3-140	3	1.78"	1.25	1.11	.83
230990CG	4-140	4	2.16"	1.45	1.29	1.05
231001CG	5-140	5	2.53"	1.59	1.44	1.18
231010CG	6-140	6	2.91"	1.99	1.79	1.48
231028CG	7-140	7	3.28"	2.19	1.95	1.59
231036CG	8-140	8	3.66"	2.49	2.24	1.83
231044CG	9-140	9	4.03"	2.79	2.49	2.03
231052CG	10-140	10	4.41"	3.25	2.89	2.35
231061CG	12-140	12	5.16"	3.55	3.15	2.59

141 Series 20A

- 5000-watts per terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4"
- Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231351CG	2-141	2	1.63"	\$.99	\$.85	\$.72
231360CG	3-141	3	2.10"	1.69	1.45	1.09
231378CG	4-141	4	2.50"	1.79	1.59	1.25
231394CG	6-141	6	3.38"	1.89	1.73	1.29
231407CG	7-141	7	3.81"	2.39	2.25	1.70
231415CG	8-141	8	4.25"	2.79	2.35	1.94
231423CG	9-141	9	4.69"	2.99	2.57	2.08
231431CG	10-141	10	5.13"	3.19	2.79	2.29
231440CG	12-141	12	6.00"	3.59	3.29	2.69

To Find Additional Cinch Double Barrier Blocks, Visit www.Jameco.com/Prod/Cinch2RBlocks

Buchanan

Barrier/Terminal Blocks

Terminal Blocks

- Polarization keys for virtually error-free mating

Europa Terminal Blocks

- Modular design
- Tubular contacts
- Wire protectors

Dual/Tri Barrier Strips

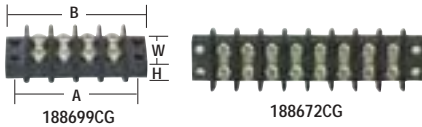
- Fast wiring – backed-out wire-ready screw
- Interrupted thread designed to prevent screws from falling out

Interface Modules

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Buchanan Terminal/Barrier Blocks Offering at www.Jameco.com/Prod/BuchananBlocks



KULKA® 601 GP Series
Double Row Terminal Blocks

- Base: general purpose phenolic; 150°C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated • Width (W): 1.12"
- .437" (11 mm) centers • Height (H): .50"
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design
- UL/CSA/CE approved



Part Number	Product Number	Poles	Dimensions A" B"	1	10	50
188699CG	601GP4	4	2.19 2.50	\$1.69	\$1.49	\$1.35
188681CG	601GP6	6	3.06 3.38	2.39	2.19	1.89
188672CG	601GP8	8	3.94 4.25	2.95	2.75	2.49
188664CG	601GP10	10	4.81 5.13	5.05	4.70	4.23
188701CG	601GP12	12	5.69 6.00	5.05	4.63	3.70

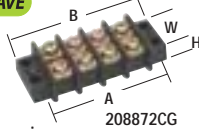
Metric Double Row
Terminal Blocks

- Body material: black thermoplastic (UL94V-0)
- 12-18 AWG
- Terminals: brass tin plated
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

10A @ 600V

Quantity SAVE

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



Part Number	Cross Ref. No.	Poles	Dimensions A B	1	10	50
208856CG	GGE-10-4P	4	47.5 55	\$.75	\$.67	\$.59
208864CG	GGE-10-6P	6	64.5 74	1.05	1.00	.97
208872CG	GGE-10-8P	8	95 102.5	1.69	1.59	1.49
208899CG	GGE-10-10P	10	104.5 112	2.39	2.15	1.61
208881CG	GGE-10-12P	12	123.5 131	2.79	2.49	2.25

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm



Blue Part No. = Limited Quantity Available

Part Number	Cross Ref. No.	Poles	Dimensions A B	1	10	50
207538CG	GGE-20-4P	4	54.5 63.5	\$1.39	\$1.25	\$.93
207546CG	GGE-20-6P	6	76.3 85.3	1.99	1.79	1.34
207554CG	GGE-20-8P	8	98.1 107.1	2.59	2.35	1.76
207563CG	GGE-20-10P	10	119.9 128.9	3.29	2.99	2.69
207571CG	GGE-20-12P	12	141.7 150.7	3.59	3.19	2.79

Terminal Block Jumper

For connecting between adjacent terminals or alternate terminals. Use with Series 140 terminal blocks, pg 165.

- 2-position • Brass with nickel plating



Part No.	Product No.	1	25	50
659382CG	140J-1	\$.22	\$1.96	\$1.82



Terminals

Panduit terminals are designed for fast, consistent installation and lasting reliability.

489256CG: High Temp. Non-Insulated Ring Terminal

- 600V; 343°C (650°F) operating temperature
- Braze seam assures a reliable crimp
- Internally beveled for easy wire insertion
- Extended length is easier to crimp and assures good quality wire contact



489361CG/489379CG/489387CG: Nylon Insulated Funnel Entry Ring Terminal

- 600V; 105°C (221°F) operating temperature
- Insulation may be crimped to the wire insulation to add strain relief and resistance to pull-out
- Metal insulation crimp provides double crimp with insulation grip sleeve for high vibration or conductor strain environments • Funnel entry speeds wire insertion

489221CG: Supra-Grip™ Nylon Fully Insulated Female Disconnect

- Integrated metal insulation grip to meet double crimp requirements
- Internal wire barrel serrations for maximum wire tensile strength
- Color coded insulation
- Funnel entry

Part No.	Product No.	Description	Minimum order 1000 pieces	5000
489256CG	P14-6RHT6-M	16-14 AWG; #6	\$1.17	\$1.11
489361CG	PNF10-10R-D	12-10 AWG; #10	.311	.295
489379CG	PNF14-6R-C	16-14 AWG; #6	.63	.56
489387CG	PNF18-10R-M	22-18 AWG; #10	.23	.22
489221CG	DNG14-250FB-M	16-14 AWG; .250"	.181	.172

▲ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

DIN Rail-Mounted Terminal
Block & DIN Rail

Foot snaps onto standard DIN and DIN 2 rails. Terminals are positively retained on rails, but can be removed without disturbing adjacent units.

- Molded thermoplastic • 14-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A



237083CG: 35mm W x 7.5mm D Sold in 1 meter (39") length

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Type	1	10	100
237083CG	41296.2	SR2.5	\$.89	\$.79	\$.69
248735CG	2094.0	TS35 x 7.5	6.79	5.45	4.10

European
Terminal Blocks

- Number of poles: 12
- 1.2mm raised base
- Working temp.: 230°F (110°C)
- Voltage: 600V
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Terminal insert: brass metal alloy, nickel plated
- Wire protector: stainless steel spring
- Screws: zinc plated, yellow chromed

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Amps	AWG	1	10	100
215010CG	PA8H	20A	12-22	\$1.79	\$1.59	\$1.29
215028CG	PA10H	30A	10-22	1.89	1.69	1.39
215036CG	PA12H	35A	10-22	2.59	2.29	1.99

Solderless Terminal
Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow
- Size: 9.0"L x 2.0"W



Part No.	Product No.	1	10	25
72995CG	HT303	\$18.95	\$17.06	\$15.10

171-Pc. Solderless Terminal Kit

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	-
15	Ring term.	16-14	#6	10	Butt conn.	16-14	-
10	Ring term.	16-14	#8	5	Butt conn.	12-10	-

- Clear, hinged plastic box
- Use crimping tool P/N T2995CG, pg 166

170 Terminals
and Connectors!

Part No.	Description	1	10	25
10989CG	Terminal kit	\$8.95	\$7.95	\$7.25

3M Electrical Connector Kits



Part No.	Description	1	10	25
651954CG	79 pc. electrical kit	\$17.25	\$15.29	\$13.73
651962CG	48 pc. 16-14AWG term. kit	9.39	8.35	7.49
651989CG	28 pc. 12-10AWG term. kit	8.99	7.99	7.19
651997CG	Asst. quick connect kit	7.99	7.16	6.43
652009CG	Asst. splice connect kit	8.99	7.99	7.19
652041CG	Heatshrink splice kit	14.89	13.19	11.85



P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with a copper sleeve fitted over the terminal barrel to provide maximum insulation support.

- High dielectric strength
- Funnel ramp entry
- Copper support sleeve for insulation
- Temperature rating: 105°C
- Meets MIL-T-7928

Quantity SAVE

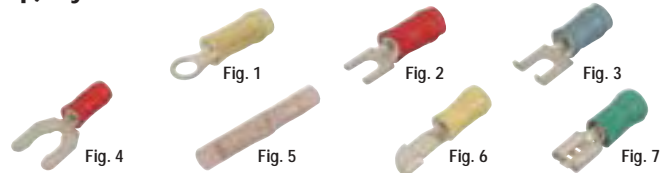
Ring Tongue Terminals

* Minimum order 10 pieces

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302594CG	323912R	1	#2	26-22	Yellow	\$.20	\$.168	\$.126
302607CG	323914R	1	#4	26-22	Yellow	\$.22	.20	.179
302615CG	323915R	1	#6	26-22	Yellow	.21	.208	.186
302623CG	323916R	1	#8	26-22	Yellow	\$.26	.20	.18
302631CG	324075R	1	#10	26-22	Yellow	\$.29	.20	.18
302640CG	328657R	1	#2	22-16	Red	.20	.18	.135
302658CG	31880R	1	#4	22-16	Red	.21	.19	.15
527321CG	36149A	1	#6	22-16	Red	.25	.213	.176
302666CG	36152R	1	#6	22-16	Red	.20	.145	.133
527312CG	51863A	1	#6	22-16	Red	.20	.162	.135
302674CG	31890R	1	#8	22-16	Red	.20	.15	.133
526707CG	320551A	1	#8	22-16	Red	.20	.13	.122
527275CG	36153	1	#10	22-16	Red	.20	.148	.13
302682CG	36154R	1	#10	22-16	Red	.20	.15	.133
302691CG	31894R	1	1/4"	22-16	Red	\$.26	.20	.181
302703CG	31895R	1	5/16"	22-16	Red	.25	.242	.215
302711CG	31897R	1	3/8"	22-16	Red	.31	.305	.176
302720CG	320619R	1	#6	16-14	Blue	.20	.145	.108
302738CG	320565R	1	#8	16-14	Blue	.20	.145	.133
302746CG	36160R	1	#10	16-14	Blue	.20	.145	.108
302754CG	321045R	1	1/4"	16-14	Blue	.20	.169	.162
302762CG	328998R	1	5/16"	16-14	Blue	.25	.244	.167
302771CG	328999R	1	3/8"	16-14	Blue	.29	.284	.172
302789CG	35149R	1	#6	12-10	Yellow	.28	.182	.17
302797CG	35108R	1	#8	12-10	Yellow	.20	.189	.171
527224CG	320568A	1	#8	12-10	Yellow	.20	.175	.155
302800CG	35109R	1	#10	12-10	Yellow	.20	.189	.171
527208CG	36161A	1	#10	12-10	Yellow	*	.131	.119
302818CG	35110R	1	1/4"	12-10	Yellow	.33	.327	.218
302826CG	35111R	1	5/16"	12-10	Yellow	.33	.327	.218
302834CG	35112R	1	3/8"	12-10	Yellow	.33	.327	.218
302842CG	35151R	1	1/2"	12-10	Yellow	\$.52	.35	.286

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851CG	328394R	2	#2	22-16	Red	\$.21	\$.208	\$.185
302869CG	327717R	2	#4	22-16	Red	.26	.253	.225
302877CG	34541R	2	#6	22-16	Red	.20	.145	.133
302885CG	32053R	2	#8	22-16	Red	.21	.208	.185
302893CG	32054R	2	#10	22-16	Red	.20	.179	.134
302906CG	35559R	2	#6	16-14	Blue	.21	.208	.146
302914CG	32059R	2	#8	16-14	Blue	.20	.179	.134
302922CG	321233R	2	#8	16-14	Blue	.24	.236	.21
302931CG	32060R	2	#10	16-14	Blue	\$.24	.20	.18
302949CG	326859R	2	#6	12-10	Yellow	.42	.416	.37
302957CG	32588R	2	#8	12-10	Yellow	.31	.309	.275
302965CG	32589R	2	#10	12-10	Yellow	.30	.256	.24



Flanged Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302973CG	324608R	3	#2	22-16	Red	\$.24	\$.20	\$.18
302981CG	32562R	3	#6	22-16	Red	.23	.227	.158
302990CG	32498R	3	#8	22-16	Red	.50	.451	.338
303001CG	320861R	3	#6	16-14	Blue	.24	.23	.159
303010CG	320862R	3	#8	16-14	Blue	.24	.23	.204
303028CG	320863R	3	#10	16-14	Blue	.23	.224	.168
303036CG	325150R	3	#6	12-10	Yellow	.59	.493	.369
303044CG	32510R	3	#8	12-10	Yellow	.25	.223	.19
303052CG	324015R	3	#10	12-10	Yellow	.39	.288	.269

Short Spring Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303061CG	82927R	4	#4	22-16	Red	\$.22	\$.209	\$.156
303079CG	52929R	4	#6	22-16	Red	.20	.19	.142
303087CG	52930R	4	#8	22-16	Red	\$.25	.20	.19
303095CG	52931R	4	#10	22-16	Red	\$.35	.25	.239
303108CG	52935R	4	#6	16-14	Blue	.25	.238	.164
303116CG	52936R	4	#8	16-14	Blue	\$.28	.20	.19
303124CG	52937R	4	#10	16-14	Blue	\$.28	.20	.19
303132CG	52941R	4	#6	12-10	Yellow	\$.32	.22	.21
303141CG	52942R	4	#8	12-10	Yellow	.36	.35	.282
303159CG	52943R	4	#10	12-10	Yellow	\$.36	.25	.239

Butt & Knife Disconnect Splices

Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	10	100
303167CG	323994R	5	Butt	26-22	Yellow	\$.39	\$.339	\$.317
527574CG	323975A	5	Butt	24-20	Natural	.32	.293	.266
303175CG	320559R	5	Butt	22-16	Red	.50	.496	.356
303183CG	320562R	5	Butt	16-14	Blue	.57	.496	.295
303191CG	320570R	5	Butt	12-10	Yellow	.85	.82	.499
303204CG	32446R	6	Knife disconn.	22-16	Red	.30	.28	.21
303212CG	32448R	6	Knife disconn.	16-14	Blue	.30	.29	.253
303221CG	35762R	6	Knife disconn.	12-10	Yellow	1.45	1.24	.93

Fast-On Receptacles



Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303239CG	60894-1R	7	.110 x .032	22-18	Natural	\$.24	\$.232	\$.168
303247CG	640923-1R	7	.110 x .020	22-18	Red	.21	.20	.15
303255CG	640917-1R	7	.187 x .020	22-18	Red	.20	.162	.121
303263CG	640909-1R	7	.205 x .020	22-18	Red	.22	.214	.163
303271CG	640911-1R	7	.205 x .032	22-18	Red	.21	.187	.14
303280CG	640903-1R	7	.250 x .032	22-18	Red	.20	.16	.13
525034CG	640903-4A	7	.250 x .032	22-18	Red	.20	.143	.13
303298CG	640929-1R	7	.110 x .020	16-14	Blue	.22	.214	.163
303301CG	640919-1R	7	.187 x .020	16-14	Blue	.22	.214	.163
303319CG	640915-1R	7	.205 x .032	16-14	Blue	.22	.214	.163
303327CG	640905-1R	7	.250 x .032	16-14	Blue	.20	.162	.16
525042CG	640905-2A	7	.250 x .032	16-14	Blue	.20	.116	.105
303335CG	42844-1R	7	.250 x .032	14-12	Green	.31	.30	.215
303343CG	640907-1R	7	.250 x .032	12-10	Yellow	.25	.237	.166

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

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Day or Night!

Our friendly Sales department will assist you 24x7x365
by phone, fax, web or email. 1-800-831-4242

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend			
New	Sale	Lower\$	QtySave

Order 24/7 Toll Free 1-800-831-4242

AMP

Fast-On Insulated Terminals

- One-piece fully insulated fast-on receptacle/tab with insulation crimp prevents shock and short hazards
- Designed for full mating with a variety of tabs and receptacles including those with shoulders
- Funnel wire entry and wire stop
- Assemblies contain wire size and tab size designation as well as color-coded for wire gauge designation



Prepackaged: order in increments of 100

Ultra-Fast Fully Insulated Receptacle Assembly (0.110"/0.125")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000
524103CG	2-520084-2♣	.239"	22-18	Red	Brass, tin plated	\$.131	\$.117	\$.106

Ultra-Fast Fully Insulated Receptacle Assembly (0.187")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000
524197CG	2-520182-2♣	0.300"	22-18	Red	Brass, tin-plated	\$.12	\$.114	\$.105
524226CG	2-520194-2♣	0.300"	22-18	Red	Brass, tin-plated .....	.15	.143	.11
524306CG	2-520335-2♣	—	22-18	Red	Brass, tin-plated .....	.20	.178	.157
526820CG	3-350816-2♣	0.300"	16-14	Blue	Brass, tin-plated .....	.124	.109	.094

Ultra-Fast Fully Insulated Tab Assembly (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000
524120CG	2-520103-2♣	0.487"	22-18	Red	Brass, tin-plated	\$.19	\$.171	\$.159
524146CG	3-520107-2♣	0.487"	16-14	Blue	Brass, tin-plated .....	.19	.165	.158

Solder, Fast-On Tab, PC Mount (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000
526619CG	62409-1♣	0.250"	—	—	Tin over copper	\$0.06	\$0.054	\$0.042




Ultra-Fast Fully Insulated Receptacle Assembly (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000	
524218CG	2-520184-2 [▲]	0.373"	22-18	Red	Brass, tin-plated	....	\$.12	\$.11	\$.10
524293CG	2-520264-2 [▲]	0.373"	22-18	Red	Brass, tin plated	.....	.152	.143	.119
524331CG	2-520407-2 [▲]	0.373"	22-18	Red	Brass, tin-plated	.....	.17	.161	.152
526838CG	3-350820-2 [▲]	0.373"	16-14	Blue	Brass, tin-plated	.....	.13	.123	.114
524171CG	3-520141-2 [▲]	0.373"	16-14	Blue	Brass, tin-plated	.....	.20	.144	.124
524349CG	3-520408-2 [▲]	0.373"	16-14	Blue	Brass, tin-plated	.....	.17	.153	.137
524373CG	4-520448-2 [▲]	0.373"	12-10	Yellow	Brass, tin-plated	.....	.25	.22	.164




Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Temperature to 105°C
- Use with crimping tool P/N 72995CG, pg 166
- Sold in increments of 10, 100 or 1000

Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103683CG	Ring solderless  #6		22-16	Red	\$.11	\$.07	\$.05
103587CG	Spade solderless  #6		22-16	Red .....	.13	.06	.05
103595CG	Spade solderless  #8		16-14	Blue .....	.12	.068	.06

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106921CG	Female 	.187"	22-16	Red	\$.12	\$.07	\$.05
103667CG	Female 	.25"	22-16	Red .....	.12	.07	.05
109112CG	Female w/ hood 	.25"	22-16	Red17	.11	.055

▲ Blue Part No. = Limited Quantity Available



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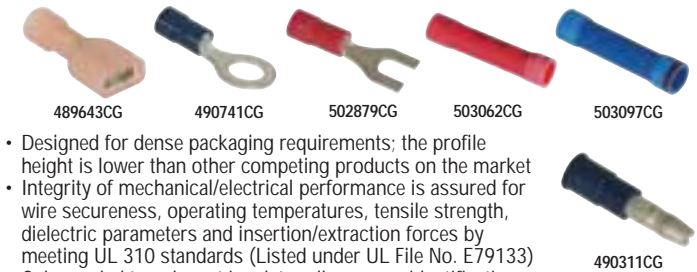
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Insulkrimp® Solderless Terminals



- Designed for dense packaging requirements; the profile height is lower than other competing products on the market
- Integrity of mechanical/electrical performance is assured for wire secureness, operating temperatures, tensile strength, dielectric parameters and insertion/extraction forces by meeting UL 310 standards (Listed under UL File No. E79133)
- Color-coded translucent insulator allows easy identification of terminal size and wire gauge: red for 18 to 22 AWG, blue for 14 to 16 AWG and yellow for both 24 to 26 AWG and 10 to 12 AWG (wire size is also stamped on the terminal and visible through the insulator)
- Translucent "see-through" insulator provides fast, on-line quality control inspection by allowing a quick visual check of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires

Female Quick Disconnect

Prepackaged: order in increments of 100

• Material: brass				Prepackaged: order in increments of 100				
Part No.	Product No.	AWG	Color	Tab Size (in.)	100	500	1000	
489627CG	19003-0001-C	18-22	Red	0.250 x 0.032	..... \$ .15	\$.133	\$.105
489635CG	19003-0011-C	18-22	Red	0.187 x 0.020	..... .15	.133	.105
489643CG	19003-0017-C	18-22	Red	0.187 x 0.032	..... .11	.105	.086
489651CG	19003-0024-C	18-22	Red	0.110 x 0.020	..... .11	.105	.086
489660CG	19003-0030-C	18-22	Red	0.110 x 0.032	..... .10	.095	.076
489678CG	19003-0040-C	14-16	Blue	0.250 x 0.032	..... .10	.087	.076
489694CG	19003-0050-C	14-16	Blue	0.187 x 0.020	..... .11	.095	.086
489715CG	19003-0056-C	14-16	Blue	0.187 x 0.032	..... .155	.124	.095
489686CG	19003-0044-C	14-16	Blue	0.250 x 0.032	..... .16	.14	.112

Ring Tongue

• Material: copper

• PVC insulation

Part No.	Product No.	AWG	Stud Size	Width (in.)	100	500	1000
490610CG	19070-0008-C	24-26	3-4	0.235	\$.11	\$.108	\$.105
490687CG	19070-0033-C	18-22	3/8	1.259 .....	.19	.165	.132
490652CG	19070-0015-C	18-22	10	0.896 .....	.14	.114	.095
490644CG	19070-0013-C	18-22	8	0.896 .....	.09	.086	.076
490708CG	19070-0044-C	18-22	8	0.807 .....	.11	.10	.09
490695CG	19070-0040-C	18-22	5-6	0.807 .....	.143	.114	.095
490599CG	19070-0005-C	18-22	1-2	0.709 .....	.11	.096	.077
490601CG	19070-0007-C	18-22	3-4	0.709 .....	.11	.096	.077
490628CG	19070-0009-C	18-22	5-6	0.709 .....	.11	.105	.095
490661CG	19070-0023-C	18-22	1/4	0.477 .....	.15	.133	.105
514802CG	19070-0038-C	18-22	3-4	0.264 .....	.11	.10	.09
490724CG	19070-0069-C	14-16	5-6	0.785 .....	.14	.114	.095
490732CG	19070-0071-C	14-16	8	0.785 .....	.11	.105	.095
514829CG	19070-0065-C	14-16	1-2	0.260 .....	.11	.10	.09
490741CG	19070-0075-C	14-16	1/4	1.062 .....	.15	.124	.095
490759CG	19070-0078-C	14-16	5/16	1.062 .....	.11	.105	.095
490767CG	19070-0083-C	14-16	5-6	0.865 .....	.11	.105	.095
490775CG	19070-0086-C	14-16	8	0.865 .....	.095	.086	.076
490783CG	19070-0090-C	14-16	10	0.865 .....	.14	.114	.095
490791CG	19070-0099-C	14-16	8	0.921 .....	.11	.105	.095
490804CG	19070-0102-C	14-16	10	0.921 .....	.114	.105	.086
490812CG	19070-0109-C	10-12	1/2	0.571 .....	.15	.143	.133
490821CG	19070-0121-C	10-12	8	1.076 .....	.13	.124	.105
490839CG	19070-0123-C	10-12	10	1.076 .....	.13	.105	.086
514845CG	19070-0130-C	10-12	10	1.243 .....	.13	.124	.114
490847CG	19070-0132-C	10-12	1/4	1.243 .....	.14	.114	.099
490855CG	19070-0136-C	10-12	5/16	1.243 .....	.13	.124	.114
490863CG	19070-0143-C	10-12	5-6	1.032 .....	.13	.105	.086
490871CG	19070-0145-C	10-12	8	1.032 .....	.17	.143	.114
514853CG	19070-0150-C	10-12	1/4	1.347 .....	.20	.171	.143
490880CG	19070-0153-C	10-12	3/8	1.347 .....	.20	.171	.143
490898CG	19070-0155-C	10-12	5/16	1.347 .....	.209	.171	.143



Insulkrimp® Solderless Terminals (Continued)

Photos on previous page.

Spade Tongue

• Material: copper • PVC insulation Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Stud Size	Width (in.)	100	500	1000
502879CG	19144-0001-C♣	18-22	5-6	0.326	\$.09	\$.086	\$.076
502887CG	19144-0003-C♣	18-22	8	0.326	.09	.086	.076
502916CG	19144-0015-C♣	14-16	5-6	0.255	.10	.095	.086
502924CG	19144-0018-C♣	14-16	5-6	0.305	.10	.086	.067
502932CG	19144-0020-C♣	14-16	8	0.305	.10	.086	.067
502959CG	19144-0024-C♣	14-16	8	0.372	.11	.096	.067
502967CG	19144-0026-C♣	14-16	10	0.372	.14	.114	.095
502975CG	19144-0037-C♣	14-16	10	0.385	.13	.109	.09
502983CG	19144-0039-C♣	10-12	8	0.385	.169	.142	.123
502991CG	19144-0042-C♣	10-12	10	0.385	.13	.109	.091
503003CG	19144-0046-C♣	10-12	1/4	0.543	.237	.133	.104

Butt-Splice

• Material: copper
• 503071CG/503100CG: seamless barrel

Part No.	Product No.	AWG	Length	100	500	1000
503062CG	19154-0004-C♣	18-22	0.960	\$.105	\$.086	\$.067
503071CG	19154-0011-C♣	18-22	1.035	.124	.114	.095
503089CG	19154-0015-C♣	14-16	0.975	.10	.086	.067
503100CG	19154-0023-C♣	14-16	1.08	.07	.069	.06
503118CG	19154-0028-C♣	14-16	1.135	.08	.07	.065

Step Down Butt Connectors

The perfect solution when 2 wires need to be inserted in one end of a splice and a single wire in the other end.

Part No.	Product No.	AWG	Description	100	500	1000
503097CG	19154-0022-C♣	14-16 to 18-22	Blue w/ red stripe	\$.35	\$.341	\$.337
503126CG	19154-0035-C♣	10-12 to 14-16	Yellow w/ blue stripe	.43	.399	.38
491946CG	19154-0044-C♣	8 to 10-12	Red w/ yellow stripe	.58	.55	.539
494856CG	19215-0023-C♣	10-12 to 14-16	Non-insulated	.57	.466	.361

Snap Plugs

• Material: copper • Thickness: 0.032" max.

Part No.	Product No.	AWG	Barrel Lgth (in.)	Diameter Max. (in.)	Length (in.)	100	500	1000
490311CG	19034-0009-C♣	14-16	0.254	0.156	0.890	\$.11	\$.095	\$.086



Avikrimp® Solderless Terminals



The Avikrimp® version of the fully insulated quick disconnects gives you the extra advantage of the secure metal support sleeve. These parts fulfill the double crimp (support) requirements of VDE and other DIN specifications.

Prepackaged: order in increments of 100

Female Quick Disconnect w/ Vibration Support

Part No.	Product No.	AWG	Length	Tab Size (in.)	100	500	1000
490177CG	19019-0004-C♣	18-22	0.789"	0.110 x 0.032	\$.143	\$.114	\$.095
490169CG	19019-0001-C♣	18-22	0.789"	0.110 x 0.020	.19	.152	.124
490185CG	19019-0006-C♣	18-22	0.789"	0.187 x 0.020	.143	.114	.095
490206CG	19019-0012-C♣	18-22	0.865"	0.250 x 0.032	.171	.143	.114
490231CG	19019-0027-C♣	14-16	0.789"	0.187 x 0.020	.143	.114	.095
490214CG	19019-0022-C♣	14-16	0.789"	0.110 x 0.020	.218	.181	.145
490249CG	19019-0028-C♣	14-16	0.789"	0.187 x 0.032	.143	.114	.095
490257CG	19019-0031-C♣	14-16	0.865"	0.250 x 0.032	.143	.114	.095
490281CG	19019-0052-C♣	12-14	0.865"	0.250 x 0.032	.124	.114	.105
490265CG	19019-0037-C♣	10-12	1.011"	0.250 x 0.032	.15	.134	.129

♣ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Avikrimp® Solderless Terminals (Continued)

Male Quick Disconnect

Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Length	Tab Size (in.)	100	500	1000
489432CG	19001-0003-C♣	18-22/red	0.900"	0.187 x 0.020	\$.187	\$.178	\$.169
489441CG	19001-0006-C♣	14-16/blue	0.960"	0.250 x 0.032	.323	.266	.219
489467CG	19001-0010-C♣	10-12/yellow	1.080"	0.250 x 0.032	.38	.323	.257

Female Quick Disconnect

Part No.	Product No.	AWG	Length	Tab Size (in.)	100	500	1000
489475CG	19002-0001-C♣	18-22/red	0.890"	0.250 x 0.032	\$.183	\$.174	\$.165
489491CG	19002-0009-C♣	18-22/red	0.800"	0.187 x 0.032	.295	.247	.20
489504CG	19002-0013-C♣	18-22/red	0.800"	0.110 x 0.020	.171	.162	.154
489512CG	19002-0016-C♣	18-22/red	0.800"	0.110 x 0.032	.15	.143	.136
489521CG	19002-0019-C♣	18-22/red	0.800"	0.205 x 0.020	.138	.131	.125
489539CG	19002-0021-C♣	18-22/red	0.800"	0.205 x 0.032	.138	.131	.125
489547CG	19002-0024-C♣	14-16/blue	0.890"	0.250 x 0.032	.183	.174	.165
489555CG	19002-0028-C♣	14-16/blue	0.800"	0.187 x 0.020	.295	.247	.20
489563CG	19002-0031-C♣	14-16/blue	0.800"	0.187 x 0.032	.295	.247	.20
489580CG	19002-0037-C♣	14-16/blue	0.800"	0.110 x 0.032	.295	.247	.20
489598CG	19002-0040-C♣	14-16/blue	0.800"	0.205 x 0.020	.138	.131	.125
489601CG	19002-0042-C♣	14-16/blue	0.800"	0.205 x 0.032	.138	.131	.125
489619CG	19002-0044-C♣	10-12/yellow	1.040"	0.250 x 0.032	.224	.205	.185

Snap Plugs

• Material: brass • Insulation: PVC

Part No.	Product No.	AWG	Barrel Lgth (in.)	Diameter Max. (in.)	Length (in.)	100	500	1000
490345CG	19039-0001-C♣	18-22	0.420	0.156	1.01	\$.133	\$.124	\$.114
490361CG	19039-0006-C♣	14-16	0.420	0.156	1.01	.133	.124	.114
490370CG	19039-0009-C♣	14-16	0.420	0.180	1.01	.143	.133	.124

Plugs

• Material: copper • Thickness: 0.032" max.

490329CG: 0.145" max. wire insulation 490337CG: 0.170" max. wire insulation

Part No.	Product No.	AWG	Barrel Lgth (in.)	Diameter Max. (in.)	Length (in.)	100	500	1000
490329CG	19036-0003-C♣	18-22	0.254	0.156	0.897	\$.133	\$.124	\$.114
490337CG	19036-0008-C♣	14-16	0.254	0.156	0.897	.143	.133	.124

Spade Terminals

• Material: copper • Nylon insulation

Part No.	Product No.	AWG	Stud Size	Width (in.)	100	500	1000
501622CG	19115-0001-C♣	18-22	5-6	0.270	\$.19	\$.162	\$.124
501631CG	19115-0003-C♣	18-22	8	0.300	.133	.124	.105
501665CG	19115-0009-C♣	18-22	5-6	0.260	.152	.124	.095
501673CG	19115-0012-C♣	18-22	8	0.320	.133	.124	.114
501690CG	19115-0016-C♣	14-16	5-6	0.270	.178	.149	.119
501711CG	19115-0020-C♣	14-16	10	0.338	.126	.12	.114
501702CG	19115-0018-C♣	14-16	8	0.300	.143	.124	.105
501817CG	19115-0079-C♣	14-16	8	0.320	.152	.143	.119
501729CG	19115-0024-C♣	14-16	5-6	0.260	.20	.171	.133
501737CG	19115-0031-C♣	14-16	10	0.340	.196	.163	.131
501745CG	19115-0033-C♣	10-12	5-6	0.300	.19	.162	.112
501753CG	19115-0035-C♣	10-12	8	0.330	.224	.187	.149
501809CG	19115-0048-C♣	10-12	10	0.340	.237	.198	.171

Fully Insulated Flag Quick Disconnects

Part No.	Product No.	AWG	Tab Size	Width (in.)	100	500	1000
489854CG	19007-0001-C♣	18-22	.250 x 0.032	0.390	\$.141	\$.135	\$.129
489871CG	19007-0021-C	14-16	.250 x 0.032	0.390	.127	.121	.115
489889CG	19007-0029-C♣	14-16	.187 x 0.020	0.390	.127	.121	.115
489897CG	19007-0040-C	10-12	.250 x 0.032	0.390	.266	.247	.228

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

Solderless Terminals (Continued)

Color Code Legend
New Sale Lower\$ QtySave



Krimptite™ Solderless Terminals

This Krimptite is the basic barrel style that is non-insulated and features a quality, one-piece design. It is also the most economical style and has the greatest variety of uses where special features are not required.



Spade Terminals

• Material: copper • Non-insulated

Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Stud Size	Width	100	500	1000
502836CG	19141-0098-C	24-26	4	0.213"	\$.029	\$.027	\$.025
502705CG	19141-0022-C	18-22	8	0.326"	.034	.032	.03
502692CG	19141-0020-C	18-22	5-6	0.326"	.034	.032	.03
502748CG	19141-0058-C	14-16	8	0.305"	.029	.027	.025
502730CG	19141-0056-C	14-16	5-6	0.305"	.029	.027	.025
502801CG	19141-0085-C	10-12	10	0.385"	.064	.061	.058

Uninsulated Flag Terminal

• Use with 0.250 x 0.032 flags • No vibration support

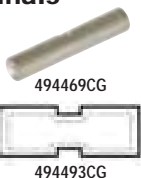


Part No.	Product No.	AWG	Barrel Length	Dia.	Max. Length	100	500	1000
489900CG	19008-0038-C	12-14	0.312"	0.319"	0.621"	\$.152	\$.143	\$.124



Versakrimp™ Solderless Terminals

When the butted seam Krimptite barrel is bonded with a special brazing alloy, it becomes a Versakrimp barrel. These brazed-seam barrel terminals and splices will not open under conditions of stress or wire pull. As versatile as it is tough, it can be crimped under most adverse conditions by many types of tooling. The Versakrimp is ideal for hard-to-crimp solid and stranded wires.



Butt Splice

• Seamless barrel • Material: copper

Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Inner Dia.	Outer Dia.	Length	100	500	1000
494469CG	19215-0009-C	18-22	0.059"	0.130"	0.675"	\$.067	\$.059	\$.041
494477CG	19215-0018-C	14-16	0.091"	0.160"	0.675"	.114	.105	.086
494485CG	19215-0028-C	10-12	0.138"	0.223"	0.827"	.124	.114	.095

Butt Splice w/ Seamless Barrel

Part No.	Product No.	AWG	Inner Dia.	Outer Dia.	Length	100	500	1000
494493CG	19215-0034-V	8	0.165"	0.295"	0.864"	\$.181	\$.171	\$.162



Fully Insulated Couplers

These fully insulated nylon couplers are precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.



Male Couplers

Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Color	Tab Size (in.)	100	500	1000
489723CG	19004-0001-C	18-22	Red	0.250 x 0.032	\$.152	\$.133	\$.114
489731CG	19004-0005-C	14-16	Blue	0.250 x 0.032	.104	.099	.094

Female Couplers

Part No.	Product No.	AWG	Color	Tab Size (in.)	100	500	1000
489758CG	19005-0001-C	18-22	Red	0.250 x 0.032	\$.124	\$.114	\$.095
489766CG	19005-0005-C	14-16	Blue	0.250 x 0.032	.095	.09	.086
489774CG	19005-0010-C	10-12	Yellow	0.250 x 0.032	.219	.181	.143



Ultimate Wire Tap

This Tap-And-Run splice is actually a fully insulated female quick disconnect that can be spliced onto a wire and then mated with a fully insulated male quick disconnect, without any special tools.



Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Description	100	500	1000
494549CG	19216-0009-C	12	Yellow wire tap	\$.181	\$.174	\$.166

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Perma-Seal™ Solderless Terminals



Perma-Seal terminals and splices give you long-lasting, moisture-proof connections that withstand water, salt, condensation, corrosion and heat, all of which cause serious problems for conventional, unsealed splices. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that is inert at room temperature, permitting wires to be inserted easily into the splices and terminals.

Spade Terminals

Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Stud Size	100	500	1000
491225CG	19164-0007-C	18-22	8	\$.399	\$.361	\$.342
491196CG	19164-0006-C	18-22	6	.361	.323	.304
491188CG	19164-0072-C	10-12	10	.74	.513	.343
491321CG	19164-0162-C	10-12	8	.52	.48	.46
491217CG	19164-0069-C	10-12	6	.74	.513	.343
491250CG	19164-0073-C	10-12	1/4	.74	.61	.488
491170CG	19164-0030-C	14-16	10	.58	.485	.38
491233CG	19164-0029-C	14-16	8	.58	.485	.38
491209CG	19164-0028-C	14-16	6	.58	.485	.38

Ring Terminals

Part No.	Product No.	AWG	Stud Size	100	500	1000
490986CG	19164-0003-C	18-22	10	\$.399	\$.361	\$.342
491065CG	19164-0086-C	18-22	8	.399	.361	.342
491031CG	19164-0085-C	18-22	6	.399	.361	.342
491081CG	19164-0004-C	18-22	1/4	.66	.543	.435
491111CG	19164-0005-C	18-22	3/8	.65	.541	.433
490994CG	19164-0034-C	14-16	10	.418	.399	.38
491049CG	19164-0033-C	14-16	8	.418	.399	.38
491014CG	19164-0032-C	14-16	6	.418	.399	.38
491145CG	19164-0027-C	14-16	5/16	.69	.57	.456
491006CG	19164-0065-C	10-12	10	.447	.409	.38
491057CG	19164-0062-C	10-12	8	.447	.409	.38
491102CG	19164-0066-C	10-12	1/4	.447	.409	.38
491137CG	19164-0068-C	10-12	3/8	.74	.513	.343
491153CG	19164-0067-C	10-12	5/16	.74	.61	.488

Quick Connect Couplers

Part No.	Product No.	AWG	Gender	Tab Size (in.)	100	500	1000
490951CG	19164-0015-C	18-22	M	0.250 x 0.032	\$.399	\$.361	\$.342
490927CG	19164-0017-C	18-22	F	0.250 x 0.032	.58	.485	.38
490960CG	19164-0048-C	14-16	M	0.250 x 0.032	.59	.494	.371
490935CG	19164-0050-C	14-16	F	0.250 x 0.032	.399	.361	.342
490978CG	19164-0075-C	10-12	M	0.250 x 0.032	.76	.64	.505
490943CG	19164-0076-C	10-12	F	0.250 x 0.032	.76	.64	.505

Butt Splice

Part No.	Product No.	AWG	100	500	1000
491305CG	19164-0013-C	18-22	\$.399	\$.361	\$.342
491313CG	19164-0044-C	14-16	.399	.361	.342
492017CG	19164-0056-C	10-12	.46	.42	.39
491989CG	19164-0079-C	8	1.42	1.18	.91

Butt Splice Parallel Solder

Part No.	Product No.	AWG	100	500	1000
491330CG	19164-0163-C	18-22	\$.64	\$.61	\$.58
491971CG	19164-0164-C	14-16	.377	.359	.342

Insulation Displacement Connectors (IDC)

Self-Tapping (ID) Tap & Run Multi-lock Connectors

They will tap-splice, pigtail-splice, parallel splice or in-line splice insulated copper wire conductors for a wide range of applications.



Prepackaged: order in increments of 100

Part No.	Product No.	AWG	Description	100	500	1000
494522CG	19216-0003-C	14-18	Blue insulation	\$.091	\$.086	\$.06
494531CG	19216-0005-C	18-22	Red insulation	.114	.105	.086

3M Spring Connectors



285683CG: 2#22 to 2#12AWG, orange with blue skirt; replaces the orange, blue, and gray wire nut style connectors as well as 70% of the yellow wire nut and wing style connectors

285691CG: 2#18 to 2#8 to 5#12 AWG, red with yellow skirt, replaces both red and yellow wing style connectors

285704CG: 4#14 to 2#6 to 3#8 AWG, blue with gray skirt, covers both the large blue and gray connectors

• Minimum order 10 pieces

Part No.	Product No.	10	100	500
285683CG	3M O/B+	\$.084	\$.075	\$.071
285691CG	3M R/Y+	.132	.106	.10
285704CG	3M B/G+	.41	.295	.267

Wire Connectors



- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Strip wire before application • Twist on type
- Material: PVC with metal spring, except P/N 182449CG nylon 66, 94-2 and P/N 140716CG PE - metal inside

182449CG: UL/CSA approved

• Minimum order 10 pieces

Part No.	Description	Color	10	100	1000
182449CG	Crimp 16-14 AWG	Nat.	\$.60	\$.055	\$.041
182511CG	Wire nut 16 AWG	Blue ....	.045	.04	.035
140716CG	Wire IDC 22-18 AWG	Red ....	.15	.14	.10

* Requires crimping tool (P/N 72995CG, pg 166)

Telecom Splice Connectors

- Provides clean, solid, and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes

169755CG: Y-type

• Minimum order 10 pieces

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169747CG	Yellow	22-26	2	\$.11	\$.10	\$.08
169755CG	Red	19-26	3Y	.15	.14	.12

3M Scotchlok™ IDC Communications Connector

Used for tap splicing voice and data communication cables with solid copper single-conductor wires.

• 25 pieces per pkg.

Part No.	Product No.	Description	1	10	25
652033CG	03721	Yellow	\$6.99	\$6.25	\$5.61

3M Connector Crimp Tool

This E-9Y Scotchlok connector crimp tool is used for crimping Scotchlok IDC telecom splices.

Part No.	Description	1	5	10
652244CG	Crimp tool	\$34.25	\$32.61	\$30.98

Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

Terminals	Code
Solder eyelet	A
PC board	B

Quantity SAVE

Blue P/N = Limited Quantity Available

Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing			
						1	10	100	1000

1.3 mm Male Jacks

101194CG	PP024	6.0 x 6.0 x 9.0	7/D	1/B	1.3 mm female	\$.62	\$.48	\$.44	\$.36
265421CG	420ECS	7.3 x 5.0 x 11.5	1/D	1/B	1.3 mm female	.69	.55	.49	.45

2.1 mm Male Jacks

101178CG	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm female	\$.49	\$.44	\$.39	\$.35
137672CG	PP013	10.9 x 9.0 x 14.5	4/D	3/A	2.1 mm female	.40	.36	.32	.29
151589CG	DPJ-021A	13.0 x 12.6 Dia.	6/C	1/A	2.1 mm female	1.09	.93	.70	.65
151554CG	DPJ-026	15.1 x 8.0 Dia.	5/E	1/A	2.1 mm female	1.49	1.25	1.05	.89
159610CG	PJ1014A	35.8 x 12.6 Dia.	9/F	3/A	2.1 mm female	1.49	1.25	1.09	.89

2.5 mm Male Jacks

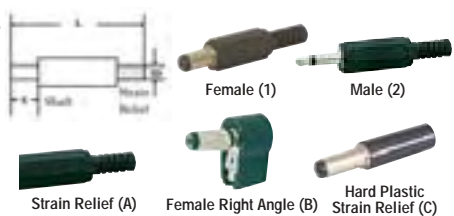
207714CG	HEC0470	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm female	\$.45	\$.35	\$.29	\$.217
101186CG	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm female	.59	.53	.42	.32
151562CG	DPJ-026A	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm female	1.49	1.24	1.13	.99
159505CG	PJ1015A	35.8 x 12.6 Dia.	9/F	3/A	2.5 mm female	1.39	1.25	1.13	1.01
202358CG	HD2388	17.0 x 12.0 Dia.	6/C	3/A	2.5 mm female	1.09	.98	.88	.66

3.5 mm Female Jacks

101143CG	PJ0352	10.0 x 10.0 x 18.5	2/E	2/A	3.5 mm male	\$.35	\$.32	\$.25	\$.19
109495CG	PJ035PM	10.5 x 9.0 x 8.8	3/C	2/A	3.5 mm male	.45	.40	.36	.27
165729CG	PJ0354	8.9 x 5.7 Dia.	8/C	3/A	3.5 mm male	.69	.59	.49	.39

Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 251-254
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280CG, to make custom length power cables, pg 110



Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S (shaft) x L x ID (strain relief)	Type	Pricing			
					1	10	100	1000

Female Plugs

71191CG	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (black)	1/A	\$.79	\$.71	\$.65	\$.59
191484CG	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (white)	1/A	.69	.62	.56	.42
28759CG	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (black)	1/A	.59	.49	.39	.29
147328CG	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (black)	1/A	.69	.62	.56	.50
138587CG	PJ021R	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (black)	1/B	.79	.63	.55	.49
190537CG	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (black)	1/A	.39	.32	.29	.19
28768CG	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (black)	1/A	.59	.49	.39	.33
191492CG	PP109W	2.5 x 5.5	10.1 x 45.4 x 4.5 (white)	1/A	.39	.35	.28	.21
147326CG	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (black)	1/A	.75	.68	.61	.55
168241CG	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (black)	1/C	.59	.49	.43	.35

Male Plugs

101135CG	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (black)	2/A	\$.59	\$.53	\$.39	\$.29
147459CG	PJ1025L	2.5 (P201L)	10.5 x 48.0 x 5.0 (black)	2/A	.39	.351	.28	.21
101151CG	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (black)	2/A	.49	.38	.35	.29
147344CG	PJ1035L	3.5 (P202L)	14.1 x 51.0 x 5.2 (black)	2/A	.49	.38	.35	.29

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse

124760CG: pigtail end

364138CG: 2.1mm x 5.5mm F connector

Part No.	Description	1	10	100
115001CG	W/ 5A/250VAC fuse	\$1.95	\$1.65	\$1.19
124760CG	W/ 3A/250VAC fuse & 3' cord	1.89	1.72	1.69
364138CG	W/ 5A/250VAC fuse & 70' cord	3.49	3.14	2.78

Blue P/N = Limited Qty Available

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 1.](#)

Bipolar and Unipolar Stepper Motors

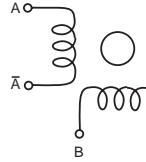
SALE

Quantity SAVE

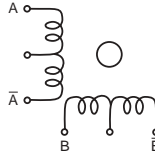
Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998CG, pg 335, for shaft coupler

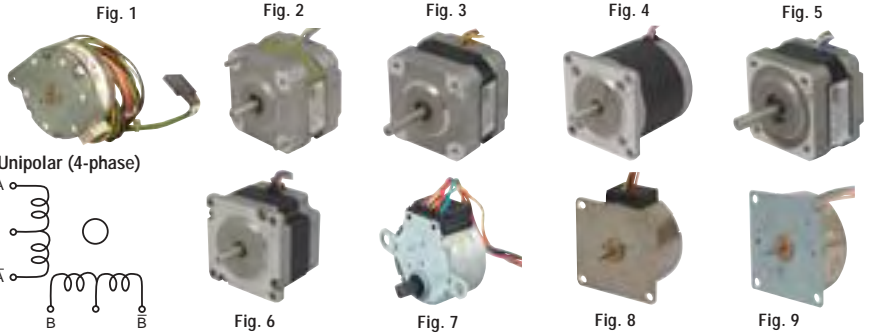
Bipolar (2-phase)



Unipolar (4-phase)



A Jameco
EXCLUSIVE



Electromech

Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																		1	10	50
237526CG	42BYGH001	3	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	\$19.79	\$16.82	\$12.62
237497CG	39BYG101-01	2	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	15.95	13.55	10.16
237489CG	39BYG001	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	15.95	13.55	10.92
237577CG	57BYG061	4	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	25.45	19.08
237518CG	42BYG017	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	16.49	14.02	10.51
237454CG	39BYG201	2	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	13.95	11.86	10.63
395567CG	42BYG022-40	3	Bipolar	9.6	1.8	100	240	46	—	1100	1.70	0.90	0.20	0.26	1.67	1.29	0.43	16.95	16.10	15.30
155459CG	42BYG023	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	17.95	16.29	14.59
237471CG	39BYG401A	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	19.49	16.56	12.42
237462CG	39BYG401	2	Bipolar	14	1.8	31	400	32	200	2300	1.22	0.10	0.20	0.95	1.54	1.34	0.44	15.95	14.50	12.42
237447CG	35BYG008	2	Bipolar	24	1.8	1.3	1600	1	1	900	1.02	0.10	0.20	0.83	1.38	1.14	0.33	13.95	11.86	10.48
237569CG	57BYG009	4	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614CG	57BYGH801	6	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.19	31.69	28.49
237534CG	42BYGH102	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	15.29	11.45
237551CG	57BYG008	4	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	29.95	26.95	24.25
237593CG	85BYGH450	6	Unipolar	4.4	1.8	2.2	2000	—	—	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	161.95	137.65	103.24
237622CG	57BYGH802	6	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	33.95	30.55
237606CG	57BYGH001	6	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	32.49	27.61	20.70
237825CG	25BY4801	7	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	5.95	4.95	4.43
237673CG	35BY48B06	1	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.51	4.37
237738CG	42BY48H08	8	Unipolar	5	7.5	9.1	550	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	7.89	7.09	6.39
237770CG	20BY20H01	7	Unipolar	5	18	10	500	—	18	75	0.98	0.09	0.06	0.34	0.79	0.71	0.05	3.99	3.65	3.28
223870CG	57BYG070	4	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	42.45	31.83
237631CG	57BYGH803	6	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	54.90	41.17
172558CG	42BYG014	2	Unipolar	8.5	1.8	19	450	13	150	1300	1.22	0.50	0.20	0.87	1.67	1.34	0.50	10.49	9.45	8.55
237711CG	42BY48H06	8	Unipolar	9	7.5	20	450	18.5	130	800	1.95	0.14	0.12	0.39	1.65	0.87	0.30	5.99	5.45	4.94
237788CG	25BY2402	7	Unipolar	9	15	50	180	14	48	100	1.26	0.13	0.08	0.35	0.98	0.59	0.08	3.89	3.55	3.21
237649CG	25BY2403	7	Unipolar	9	15	20	450	4.5	48	130	1.38	0.14	0.08	0.33	0.98	0.56	0.07	3.35	3.05	2.76
172646CG	42BYG205	4	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	17.95	16.19	14.55
224021CG	42BYG016	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	14.40	10.80
155432CG	42BYG228	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	17.95	16.29	14.59
237542CG	57BYG007	4	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	25.95	22.06	17.08
238537CG	42BYGH404	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	19.95	17.95	16.15
162026CG	57BYG084	4	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	26.95	24.29	21.85
237972CG	28BYJ01A1	7	Unipolar	12	5.625	300	40	—	300	552	1.38	0.17	0.20	0.33	1.10	0.75	0.09	4.05	3.65	3.32
237981CG	28BYJ01C	7	Unipolar	12	5.625	300	40	—	350	552	1.38	0.14	0.12	0.20	1.10	0.78	0.10	3.85	3.49	3.17
237753CG	28BYJ012A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.08	3.29	2.99	2.79
237745CG	28BYJ01A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.10	3.99	3.59	3.23
237834CG	25BY4803	7	Unipolar	12	7.5	50	240	16	45	110	1.34	0.09	0.08	0.27	0.98	0.59	0.07	5.99	5.09	3.93
237892CG	42BY48B03	8	Unipolar	12	7.5	57	210	18	105	300	2.28	0.08	0.12	0.30	1.65	0.58	0.21	6.75	6.25	6.19
238158CG	35BY48BH10	1	Unipolar	12	7.5	42	286	25	90	400	1.65	0.13	0.08	0.26	1.38	0.85	0.19	5.15	4.65	4.23
237930CG	42BY48B14	8	Unipolar	12	7.5	50	240	—	145	450	1.95	0.14	0.12	0.39	1.65	0.59	0.22	6.95	6.25	5.59
238131CG	35BY48BH05	1	Unipolar	12	7.5	15	800	10	90	460	1.65	0.13	0.08	0.26	1.38	0.85	0.19	5.15	4.69	4.25
237884CG	42BY48B02	8	Unipolar	12	7.5	40	300	28	130	500	N/A	N/A	0.12	0.30	1.65	0.57	0.21	7.65	6.95	6.30
238043CG	30BYJ05-PH	7	Unipolar	12	7.5	300	40	—	350	552	1.42	0.17	0.20	0.30	1.18	0.69	0.10	4.09	3.75	3.38
237761CG	30BYJ011	7	Unipolar	12	7.5	300	40	—	350	644	1.38	0.18	0.12	0.20	1.18	0.69	0.10	4.19	3.85	3.46

* 395567CG/155459CG: Dual shaft

Over 99% of Our Products Are In Stock



















Place your order by 6PM EST for same business-day shipment.

JAMECO **ReliaPro**

Bipolar and Unipolar Stepper Motors (Continued)

SALE

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Fig. (see pg. 168)	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																		1	10	50
238086CG	35BYJ03	7	Unipolar	12	7.5	400	40	—	450	828	1.65	0.16	0.20	0.33	1.42	0.67	0.12	\$4.15	\$3.75	\$3.39
238035CG	30BYJ03C 	7	Unipolar	12	7.5	160	75	—	350	920	1.54	0.17	0.12	0.44	1.42	0.69	0.11	4.15	3.79	3.43
238060CG	35BYJ02	7	Unipolar	12	7.5	200	60	—	400	1104	1.65	0.16	0.20	0.33	1.42	0.67	0.13	4.15	3.75	3.39
238051CG	35BYJ01 	7	Unipolar	12	7.5	130	92	—	350	1472	1.65	0.16	0.20	0.33	1.42	0.69	0.12	4.35	3.91	3.56
173180CG	30BYJ02AH 	7	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	11.49	9.77	7.32
237657CG	25BY2406	7	Unipolar	12	15	30	400	7.5	48	120	1.26	0.13	0.08	0.35	0.98	0.59	0.07	3.35	3.05	2.76
237956CG	42BY48H05	8	Unipolar	14	7.5	70	200	—	130	450	1.93	0.14	0.12	0.39	1.65	0.87	0.27	6.75	6.15	5.58
237438CG	35BYG007	5	Unipolar	15	1.8	28	400	—	12	70	1.02	0.10	0.20	0.83	1.38	1.10	0.37	13.95	11.86	10.48
237702CG	35BY48BH02 	1	Unipolar	16.2	7.5	60	270	50	90	450	1.65	0.13	0.08	0.33	1.38	0.59	0.20	5.15	4.69	4.25
237665CG	25BY2407 	7	Unipolar	16.2	15	85	190	19	48	100	1.26	0.16	0.08	0.49	0.98	0.56	0.10	3.49	3.19	2.89
237796CG	25BY2408 	7	Unipolar	16.2	15	60	270	16	48	120	1.26	0.17	0.08	0.55	0.98	0.56	0.10	4.65	4.20	3.95
237841CG	25BY4806 	7	Unipolar	20	7.5	50	400	16	45	155	1.26	0.13	0.08	0.49	0.98	0.56	0.10	4.29	3.99	3.93
237850CG	25BY4807 	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	4.29	3.99	3.93
237868CG	25BY4808 	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	4.29	3.99	3.93
237876CG	25BY4809	7	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	4.85	4.45	4.00
210391CG	STP42N196S	9	Unipolar	24	3.75	110	436	60	60	600	1.95	0.13	0.118	0.42	1.65	0.54	0.18	1.55	1.39	1.29
238115CG	35BY48B08 	1	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	6.19	5.68	5.17
238107CG	35BY48B07 	1	Unipolar	24	7.5	11	240	70	65	330	1.65	0.13	0.08	0.26	1.38	0.59	0.15	5.65	5.15	4.65
238140CG	35BY48BH07 	1	Unipolar	24	7.5	110	240	70	90	350	1.65	0.13	0.08	0.26	1.38	0.85	0.20	6.19	5.26	4.73
237690CG	35BY48BH01 	1	Unipolar	24	7.5	165	145	85	90	400	1.65	0.13	0.08	0.33	1.38	0.59	0.19	5.15	4.69	4.25
237921CG	42BY48B08	8	Unipolar	24	7.5	75	320	33	145	600	1.95	0.14	0.12	0.39	1.65	0.59	0.20	6.75	6.25	6.21
237905CG	42BY48B04 	8	Unipolar	24	7.5	110	220	53	145	630	1.95	0.14	0.12	0.45	1.65	0.59	0.20	6.39	5.89	5.85
237913CG	42BY48B04M	8	Unipolar	24	7.5	120	200	57	145	630	1.95	0.09	0.12	0.45	1.65	0.59	0.22	6.75	6.25	6.21
237948CG	42BY48H02	8	Unipolar	24	7.5	48	500	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.30	6.75	6.15	5.58
237729CG	42BY48H07 	8	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.89	6.71	6.20
237809CG	25BY2409 	7	Unipolar	24	15	118	200	22	48	100	1.37	0.13	0.08	0.37	0.98	0.59	0.10	4.45	4.01	3.95
238123CG	35BY48BH03 	1	Unipolar	28.8	7.5	115	278	85	90	450	1.65	0.13	0.08	0.26	1.38	0.85	0.19	5.15	4.69	4.25
237585CG	110BYG450C 	4	Unipolar	80-200	0.9/1.8	0.18	6000	2	3060	45,900	5.0	0.33	0.63	2.13	4.33	5.10	8.40	123.85	112.59	102.35

* 173180CG: Gear ratio 85.25:1

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Pricing		
																1	10	50
117954CG	LB82773-M1	Bipolar	5	7.5	6	800	7	100	1080	2.60	1.95	0.250	0.75	2.25	1.00	\$4.29	\$3.89	\$3.09
163395CG	5017-935 ¹	Bipolar	8.4	0.9	30	280	25	36	791	1.73	0.15	0.155	0.29	1.64	1.20	4.95	4.21	3.16
454475CG	41118S-62-07	Bipolar	24	1.8	0.6	2500	.93	—	3240	—	—	0.190	0.50	1.67	1.34	27.95	25.16	22.64
454467CG	4218L-01-11	Bipolar	24	1.8	1.2	2000	2	—	5401	—	—	0.190	0.50	1.67	1.83	19.95	17.96	16.16
171601CG	PF35T48L4 ²	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	4.99	4.49	4.03

¹ 163395CG: Dual shaft ² 171601CG: Dual shaft w/ 10 tooth gear

Servo Motors

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001CG, pg 174



Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Supply voltage: 4.8-6 volts • Speed: 1.9 seconds to 60°
- Torque: 161 oz.-in. (11,500 g-cm) @ 4.8V
- Can be operated by P/N 151001CG, pg 174



Part No.	Description	Size	1	10	Part No.	Description	Power Supply	1	10
157067CG	Robotic servo	0.8"W x 1.4"D x 1.6"H	\$19.95	\$17.95	166351CG	Giant robotic servo	4.8-6 volts	\$44.95	\$42.69

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115553CG, pg 117) or modular adapter from DB9 to RJ11 (P/N 114737CG, pg 116)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty



Part No.	Description	1	10
151001CG	Mini SSC II	\$43.95	\$41.79

32-Bit Stepper Motor Controller

One Axis

- Controls one bipolar stepper motor with 32-bit absolute position
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Full, half or wave step modes
- Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Size: 4.4"L x 2.3"H
- Weight: 0.7 lbs.



DPONTECH

Includes: Manual and sample code software

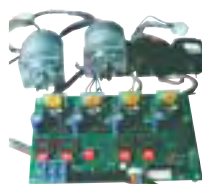
Part No.	Description	1	10
153621CG	32-bit controller	\$158.95	\$150.99

See our extensive motor selection on pages 172-173 & 175-178.



Multi-Stepper Motor Control Board

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec. • Size: 7.7"L x 5.0"W x 1.0"H
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control • Weight: 0.7 lbs.
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles

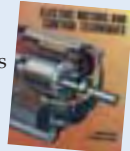


Shown w/ motors - not included

Part No.	Description	1	10
168727CG	Stepper motor control brd	\$399.95	\$379.95

Electric Motors & Control Techniques

TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)



- Size: 7.3" x 9.2" • Weight: 1.1 lbs.

Part No.	Description	Price
137162CG	Electric Motors & Control	\$24.95

Sport232-ST One Axis Stepper Motor Controller and DAC Board

- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic)
- 8 Digital I/O and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview



Part No.	Description	1	10
355047CG	Sport232-ST	\$147.25	\$137.75



RMV856-ET Stepped Motor Controller

- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter



SALE

Part No.	Package	1	10	50
355266CG	PLCC-44	\$40.25	\$36.55	\$33.22

KAE

Industrial Motion Controllers for Brush, Brushless and Stepper Motors

All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P/N 184971CG (below).



184989CG



323942CG



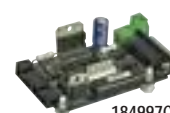
185009CG



323951CG



184971CG



184997CG

184989CG/323942CG: PIC-SERVO motor control board

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- P/N 323942CG RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009CG/323951CG: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989CG above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951CG Amplifier capable of driving 6A continuously @ up to 48VDC

184971CG: Z232-485 serial port adapter

- Lets you operate the controllers above from any standard RS-232 port

184997CG: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

Part No.	Description	Size (L" x W" x H")	1	10
184989CG	PIC-SERVO	3.1 x 2.1 x 0.9	\$184.69	\$166.25
323942CG	KAE-TOVIO	3.1 x 2.1 x 0.9	159.95	143.95
185009CG	KAE-TOV5-BD3-PHV1	3.1 x 3.1 x 1.0	271.79	244.69
323951CG	KAE-TOVIO	3.1 x 3.1 x 0.9	227.85	205.95
184971CG	Z232-485	3.1 x 2.1 x 0.5	59.95	53.95
184997CG	PIC-STEP	3.1 x 2.1 x 0.9	159.95	143.95

We're Listening to
Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

1.5-112VDC Motors

Jameco has a broad selection of DC Motors available for immediate delivery! In fact, we're the only place in the country where you can buy so many types off-the-shelf. And because of our broad selection, major custom-design motor manufacturers send their customers to us! Be sure to check out all the products below.

Typical applications:

- RC cars and airplanes
- Arcade games
- Vending machines
- Office automation products
- Motorized toys
- Vacuum cleaners
- Hair removers
- Blow dryers
- Tire pumps
- Paper shredders
- Cordless power tools
- Christmas tree

Quantity SAVE

SALE

A Jameco EXCLUSIVE

Nichibo-Type

 **Blue Part No.** = Limited Quantity Available

Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
231917CG	FE-260-2670	5	1.5	1.5-3	0.66	3700	10.5	42.9	Solder	0.078	0.314	0.937 x 1.063	\$1.19	\$1.01	\$.76
231861CG	UE-260-2850	6	1.5	1.5-3	1.15	4260	13.4	34.9	Solder	0.078	0.314	0.944 x 1.063	.85	.75	.68
231853CG	UE-260-2838	6	1.5	1.5-2.4	1.57	5600	15.5	39.0	Solder	0.078	0.314	0.944 x 1.063	.85	.79	.71
231909CG	FE-260-18130	5	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
231888CG	UE-260-20120	6	3	1.5-4.5	0.45	4780	12.9	49.8	Solder	0.078	0.314	0.944 x 1.063	.85	.79	.71
231925CG	FE-260-2295	5	3	1.5-4.5	0.63	6850	14	53.9	Solder	0.078	0.314	0.937 x 1.063	1.19	1.07	.95
232071CG	FC-280-2485	1	4.5	4.5-7.2	0.88	7820	26	52.7	Solder	0.078	0.472	0.944 x 1.200	2.09	1.88	1.33
232080CG	FC-280-2865	1	4.5	4.5-6	1.38	9970	30.4	50.1	Solder	0.078	0.472	0.944 x 1.200	1.35	1.25	1.09
231765CG	PC-130SF-15160	7	4.8	3-9	0.42	4960	16.6	42.6	Solder	0.078	0.377	0.803 x 0.984	1.59	1.45	1.31
231984CG	UC-260-14275	6	6	6-12	0.21	4150	13.1	45.8	Solder	0.078	0.314	0.944 x 1.063	1.05	.95	.85
231829CG	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	Solder	0.078	0.433	0.944 x 1.200	1.89	1.75	1.59
231781CG	PC-130F-12240	7	6	3-9	0.25	6800	7	33.4	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231992CG	UC-260-18160	6	6	3-9	0.57	7460	22.1	49.9	Solder	0.078	0.314	0.944 x 1.063	1.79	1.61	1.45
231811CG	PC-280-20125	8	6	3-9	0.57	7560	21.1	48.6	Solder	0.078	0.433	0.944 x 1.200	1.69	1.55	1.41
232063CG	FC-280-20120	1	6	4.5-9	0.60	7800	24.1	53.5	Solder	0.078	0.472	0.944 x 1.200	1.25	1.15	1.02
232143CG	FF-050S-11170	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
232151CG	FF-050S-09250	3	8	5-11.5	0.11	6300	7	51.4	Solder	0.059	0.433	0.610 x 1.059	1.75	1.59	1.43
231802CG	PC-130F-10370	7	9	6-12	0.15	6410	8.5	43.9	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231933CG	UC-280S-10450	9	12	12-24	0.11	2850	21.3	46.5	Solder	0.078	0.433	0.944 x 1.200	1.75	1.59	1.44
232012CG	MD5-12160	10	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231968CG	UC-260-09530	6	12	12-24	0.12	4030	12.5	36.7	Solder	0.078	0.314	0.944 x 1.063	1.05	.95	.85
231845CG	PC-280-10420	8	12	6-24	0.13	4270	14.5	43.6	Solder	0.078	0.433	0.944 x 1.200	1.69	1.55	1.41
231731CG	PC-130SF-09480	7	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.89	1.69
231749CG	PC-130SF-09400	7	12	6-24	0.15	5130	14.3	42.5	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231896CG	FE-260-08450	5	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
231773CG	PC-130F-09490	7	12	6-18	0.51	6260	8.1	39.1	Solder	0.078	0.377	0.803 x 0.984	1.49	1.35	1.21
231757CG	PC-130SF-10315	7	12	6-18	0.25	6350	20	44.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
232055CG	FC-280-12280	1	12	6-12	0.26	6840	21.4	48.6	Solder	0.078	0.472	0.944 x 1.200	1.25	1.15	1.02
231976CG	UC-260-12335	6	12	6-12	0.24	7050	19.5	50.0	Solder	0.078	0.314	0.944 x 1.063	1.15	1.05	.95
231837CG	PC-280-15265	8	12	6-12	0.30	7230	25	52.5	Solder	0.078	0.433	0.944 x 1.200	1.69	1.55	1.41
232004CG	UC-280S-19160	9	12	6-12	0.57	9000	46.6	63.4	Solder	0.078	0.433	0.944 x 1.200	2.55	2.17	1.62
232021CG	MD5-1885	10	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231950CG	UC-280S-20145	9	12	6-12	0.75	10000	55	64.0	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232039CG	MD5-2070	10	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232127CG	MD5-2554AS-AA	2	12	6-12	1.70	17000	72.9	62.4	Quick Connect	0.091	0.512	1.083 x 1.279	2.15	1.95	1.77
232119CG	MD5-2450AS-AA	2	12	6-12	2.00	17200	77.5	55.9	Quick Connect	0.091	0.512	1.083 x 1.279	2.19	1.99	1.81
232047CG	MD5-2445	10	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231941CG	UC-280S-12285	9	24	12-24	0.39	10300	54.4	62.4	Solder	0.078	0.433	0.944 x 1.200	2.25	2.02	1.85
232098CG	MD5-15120AS-AA	2	24	12-24	0.70	15100	66.7	61.5	Quick Connect	0.091	0.512	1.083 x 1.279	2.19	1.99	1.81
232101CG	MD5-1980AS-AA	2	24	12-24	1.43	22600	88.5	60.9	Solder	0.091	0.512	1.083 x 1.279	4.29	3.64	2.73

Maabuchi-Type

238465CG	RF-310TA-11400 (CCW)	11	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.247	0.962 x 0.712	\$2.49	\$2.12	\$1.59
238457CG	RF-300PA-11400 (CW)	12	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.278	0.960 x 0.504	4.35	3.89	3.49
238511CG	RF-500TB-12560	13	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238449CG	EG-530AD-9B (CCW)	14	9	6-11	0.09	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238490CG	EG-530YD-9B (CCW)	14	9	6.3-11.7	.13/.14	2000/4000	10	—	Solder	0.078	0.307	1.377 x 0.984	3.25	2.95	2.64
238502CG	EG-530KD-2B (CCW)	14	12	8.4-15.6	0.08	1600	10	—	Solder	0.078	0.307	1.377 x 0.984	2.65	2.39	2.18
238473CG	RF-370CA-15370	15	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238414CG	EG-530AD-2B (CCW)	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	4.49	3.82	2.86
238406CG	EG-530AD-2F (CW)	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	5.39	4.58	3.44
238481CG	EG-530YD-2B (CCW)	14	12	8.4-15	.13/.14	2000/4000	10	—	Solder	0.078	0.322	1.303 x 0.997	3.15	2.89	2.60

Hi-Torque

237391CG	29SYT003	4	13.5	13.5	13	18000	509	—	Quick Connect	0.125	1.003	1.141 x 2.283	\$5.95	\$5.05	\$3.93
237382CG	29SYT002	4	24	24	0.93	2680	178	—	Wire	0.100	0.334	0.787 x 1.89	7.19	6.11	4.58
237403CG	40SYT002	16	26	26	1.5	3000	815	—	Quick Connect	0.196	1.021	1.57 x 3.85	25.95	23.35	20.99
237374CG	29SYT001	4	112	112	0.93	2680	178	—	Wire	0.100	0.334	1.15 x 1.89	4.25	3.85	3.47



DC & DC Reversible Gear Head Motors



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave



Quantity SAVE

1.2VDC-24VDC Motors



star motor



Part No.	Product No.	Manufacturer	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
311976CG	20519-34442	Johnson Electric	1.2	—	1.510	3754	25.98	55	0.08"/solder	0.08	0.33	1.00 x 1.20	\$1.49	\$1.27	\$0.95
295849CG	RF-310T-11400	Mabuchi Motor	2.5	1-6	0.060	2190	3.3	—	0.06"/solder	0.08	0.89	0.96 x 0.71	1.79	1.61	1.42
154915CG	ST-130-12240	Star Motor	3	1.5-3	0.170	3588	7.4	55	0.09"/solder	0.08	0.37	0.79 x 1.13	1.29	1.16	.86
154923CG	ST-130-22770	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	.99	.89	.66
211246CG	RC-260RA-2670	Mabuchi Motor	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	.79	.67	.50
388851CG	RF-500TB-14415	Mabuchi Motor	5	1.5-9	0.120	2540	12.6	—	0.07"/solder	0.07	0.34	1.26 x 0.97	3.99	3.59	3.23
177498CG	RC280RA-2485	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.75	1.48	1.11
667411CG	RF270RH-12370	Mabuchi Motor	12	6-15	0.140	5130	19.2	—	.08"/quick conn.	0.08	0.59	0.96 x 1.21	2.95	2.65	1.99
174692CG	21226-384221	Johnson Electric	12	9-14	0.015	3000	—	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.15	1.59
206949CG	QJT360S14280	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	1.69	1.52	1.36
153656CG	RS550PF4	Mabuchi Motor	12	6-15	1.400	6500	44.1	—	0.15"/solder	0.13	0.66	1.45 x 2.25	3.29	2.99	2.69
267291CG	SUN-555A-LMRK	Telco	24	—	0.150	4100	84	—	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.99	2.54	1.91

¹ 154915CG/154923CG: Use bushing P/N 162392CG, pg 335

² Manufacturer may vary



6VDC and 12VDC Reversible Gear Head Motors

- Solder-type terminal
- High torque construction
- Oil bearing design for long service life
- Insulation resistance: 10MΩ
- Dielectric strength: 300VDC

Quantity SAVE



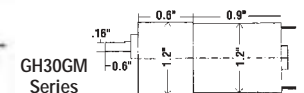
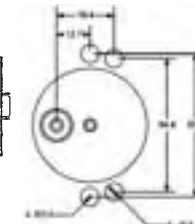
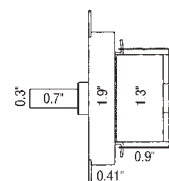
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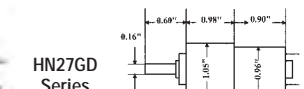
167038CG



159417CG



GH30GM Series



HN27GD Series

32GM Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253403CG	32-009	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		\$17.95	\$15.25	\$11.43
253382CG	32-007	6	57	3.2	1800	377:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		14.95	13.49	12.15
253374CG	32-006	6	51	4	1680	300:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		17.95	15.25	11.43
253340CG	32-005	6	48	5	1600	240:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		17.95	16.15	14.55
253323CG	32-004	6	44	6	1500	200:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		17.95	16.15	14.55
253315CG	32-003	6	40	6.3	1350	190:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		14.95	13.49	12.15
253307CG	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		17.95	15.25	11.43
253227CG	32-001	6	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7		17.95	15.25	11.43

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
167038CG	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$16.49	\$14.85	\$13.39
167046CG	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	21.95	19.79	17.79

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
170641CG	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$23.95	\$20.36	\$15.27
153438CG	GH12-1045Y	12	3.0 - 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159417CG	GH12-1921Y	12	4.5 - 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	21.95	19.79	17.79
162190CG	GH12-1324Y225	12	4.5 - 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	16.95	15.25	13.75

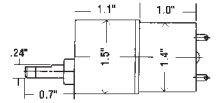
For more Gears, SS-Shafts, Couplings, etc.
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12VDC and 24VDC Reversible Gear Head Motors

GH35GM Series

Blue Part No. = Limited Quantity Available

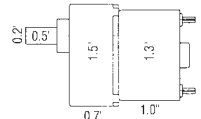
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
155011CG	GH12-1926	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155820CG	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	21.95	19.79	17.79
155838CG	GH12-1641T-L	12	3.0 - 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	23.95	21.59	19.45
152910CG	GH12-1926Y	12	4.5 - 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	21.95	19.75	17.75
151440CG	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854CG	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
155862CG	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	22.95	20.79	18.79
161373CG	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	20.35	15.26
161381CG	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.29	18.25
164785CG	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	21.59	19.45
176049CG	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176031CG	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.25	18.39
176022CG	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79



GH35GM Series



155011CG



38GM Series



253446CG

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253534CG	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$18.95	\$17.09	\$15.35
253526CG	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253518CG	38-008	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253500CG	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253497CG	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253489CG	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253471CG	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253454CG	38-002	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253446CG	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35

1.3VDC and 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys

SALE

Quantity SAVE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

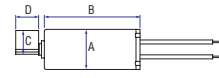


Fig. 3

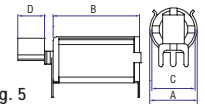


Fig. 5

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia. x Depth*	Shaft Size (C x D) Dia. x Length*	Pricing		
									1	10	100
175062CG	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$5.49	\$4.66	\$3.49
256356CG	72K642	3	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	3.99	3.59	2.64
256372CG	72K631	3	1.3 @ 70	0.80 - 1.60	7500 @ 1.3	1.1	0.28 x 0.66	0.12 x 0.16	2.59	2.39	2.14
175396CG	OTL-4AL	2*	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.8	0.16 x 0.55	0.15 x 0.23	6.49	5.51	4.13
256305CG	62K003	3	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256321CG	62K211	5	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC Term	0.27 x 0.48	0.11 x 0.11	3.29	2.80	2.10
256049CG	42K041	3	1.3 @ 85	0.85 - 1.60	11000 @ 1.3	1.0	0.16 x 0.43	0.07 x 0.17	4.19	3.79	3.17
256241CG	52K011	3	1.3 @ 85	0.80 - 1.60	11000 @ 1.3	1.0	0.20 x 0.39	0.10 x 0.12	3.05	2.76	2.51
256364CG	72K692	3	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256381CG	72K681	3	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256313CG	62K053	3	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256330CG	62K261	5	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC Term	0.27 x 0.48	0.11 x 0.11	2.35	2.15	1.95
256090CG	42K091	3	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85

Other Manufacturers

190078CG	6CD-1201WL-00	4*	1.3 @ 80	1.3, typical	7500 @ 1.3	1.1	0.24 x 0.47	0.10 x 0.22	\$6.55	\$5.57	\$4.18
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*More details on page 178

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Vibrating Motors, AC Gear Motor & Solenoids

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JAMECO ReliaPro

1.3VDC 8,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers, and toys
- Rated RPM: 8,500 @ 1.3VDC
- Direction of rotation: clockwise
- Operating voltage: 1.3V @ 65mA (typical)
- Lead length: 0.75"
- Size: (motor) 0.16"Dia. x 0.55"L (shaft) 0.15"Dia. x 0.23"L

Quantity SAVE

Part No.	Description	1	10	100
175396CG	Vibrating motor	\$6.49	\$5.51	\$4.13

Namiki

1.3VDC 7,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers and toys
- Rated RPM: 7,500 @ 1.3VDC
- Clock-wise rotation
- 1.1" lead wires
- Operating voltage: 1.3VDC @ 80mA
- Size: (motor) 0.47"L x 0.24"Dia. (shaft) 0.22"L x 0.10"Dia.

Quantity SAVE

Part No.	Description	1	10	100
190078CG	Vibrating motor	\$6.55	\$5.57	\$4.18

120VAC Gear Motor

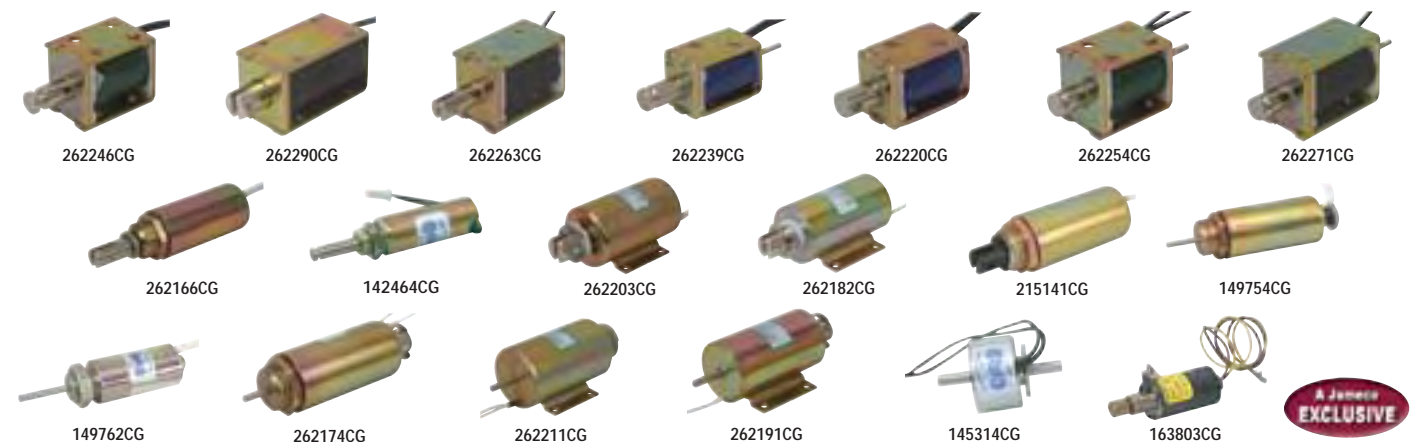
6.0 RPM - 2.9 Watt

- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Shaft diameter: 0.27" • Shaft length: 0.65"
- Overall size: 2.0" Dia. x 1.0" thick
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

Quantity SAVE

Part No.	Cross Ref. No.	1	10	100
213487CG	50TYZ	\$14.95	\$12.70	\$9.52

12VDC and 24VDC Continuous Push, Pull and Push/Pull Solenoids



Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke	Size L x Dia. (in.) †	Shaft Dia. (in.)	Wt. (lbs.)	Pricing		
											1	10	100
262246CG	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	\$5.69	\$5.15	\$4.69
262290CG	SMO-1253L12AA	Open frame-pull	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.470	0.50	11.89	10.69	9.65
262263CG	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	7.29	6.56	5.90
262239CG	SMO-0415S12AA	Open frame-push	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.040	0.01	6.55	5.89	4.99
262220CG	SMO-0415L12AA	Open frame-pull	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.160	0.01	4.29	3.89	3.49
262254CG	SMO-0520S12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.06/0.20*	0.04	6.99	5.94	5.48
262271CG	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.39	7.59	6.85
262166CG	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	9.95	8.95	8.15
142464CG	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	6.95	6.26	5.63
262203CG	SMT-3864L24STD	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	25.45	19.08
262182CG	SMT-3257L24STD	Tubular-pull	24	44	13.0	3.30	0.70	2.3 x 1.3	0.500	0.65	19.59	17.69	15.89
215141CG	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	10.95	9.86	8.87
149754CG	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	14.95	14.25	13.49
149762CG	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	10.95	9.86	8.87
262174CG	SMT-2551S24STD	Tubular-push	24	58	10.0	1.32	0.70	2.0 x 1.0	0.120	0.40	15.95	14.39	12.99
262211CG	SMT-3864S24STD	Tubular-push	24	34	17.0	1.32	1.18	2.5 x 1.5	0.160	1.10	31.39	28.19	25.39
262191CG	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	19.95	17.95	16.19
145314CG	SMT1913S12A	Tubular-push/pull	12	89	2.0	1.12	0.16	1.2 x 0.7	0.110	0.05	9.95	8.96	6.72

Other Manufacturers — Great Deals

163803CG	A420-067074-01	Tubular-push	12	43	3.4	0.75	0.17	2.0 x 0.6	0.156	0.10	\$9.95	\$8.46	\$6.34
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† Open frame type dimensions: L" x W" x H"; * Dual shaft

⊕ Blue Part No. = Limited Quantity Available

12VDC Solenoid Valve

- Operating voltage: 12VDC
- Operational temperature: -29°C to 85°C
- 0.250" quick disconnect terminals
- Current: 350mA
- Air leakage: 1c.c./min. max. 4psi
- ⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	Dimensions	1	10	100
169834CG	Solenoid valve	1.2"L x 0.92" Dia.	\$7.35	\$6.59	\$5.89



See page 340
for our
Stepper Motor
Controller kits.



Ⓡ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Miniature Basic Switches

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H



159572CG



159581CG/187792CG



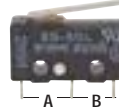
187805CG

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Resistance (Initial)	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
159572CG	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.25" quick disconnect	\$2.89	\$2.54	\$2.28
159581CG	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	2.45	2.25	1.99
187792CG	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.45	2.25	1.99
187805CG	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.75	2.48	2.29



Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B = 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H



187709CG



187733CG



159599CG

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Contact Force	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	25	50
187709CG	SS-5GL	Omron	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	\$1.59	\$1.45	\$1.29
187733CG	SS-5GL2	Omron	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	1.25	1.15	1.09
159599CG	SS0505A	Highly Electric	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	45g	30M/200k	Solder	1.19	.99	.89



D2F Series Subminiature Snap-Action Switch

Super compact for PCB mounting.

- Dimensions: 0.50"L x 0.23"W x 0.26"H
- Contact form: SPST • Contact force: standard (80g)
- Contact rating: 3A @ 125VAC; 2A @ 30VDC
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom



Part No.	Product No.	Actuator Type	Contact Type	1	25	50
188867CG	D2F-L	Hinge lever	General purpose	\$.89	\$.83	\$.79



D4 Series Miniature Snap-Action Switches

- Electrical life: 6,000 cycles min. per UL
- Actuating button: thermoplastic acetal/polyester
- Common terminals: silver-plated brass
- Auxiliary actuator: aluminum, stainless steel, or cold-rolled steel (nickel plated)
- UL94V-0 rated
- Temperature rating: -40°C to +85°C
- Mounting: recommend #4-40 round head
- Case: thermoplastic polyester
- Contact form: SPDT





482855CG



483284CG

Part No.	Product No.	Lever Type	Contact Rating	NO/NC Terminals	Moving Blade	Contacts	Terminal Type	1	10	100
482821CG	D41CR1RA	Standard ratio roller, 0.81"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	\$4.95	\$3.65	\$3.15
482839CG	D41CR1RD	Standard ratio roller, 1.34"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	4.95	3.65	3.15
482855CG	D41LR1RA	Standard ratio roller, 0.81"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	5.45	4.01	3.46
482863CG	D41LR1RD	Standard ratio roller, 1.34"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	5.45	4.01	3.46
482927CG	D42CR1RA	Standard ratio roller, 0.81"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.29	2.42	2.09
482935CG	D42CR1RD	Standard ratio roller, 1.34"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.39	2.51	2.17
482901CG	D42CR1LA	Standard ratio lever, 0.865"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	1.95	1.81	1.72
482919CG	D42CR1LD	Standard ratio lever, 2.757"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.75	2.02	1.74
482978CG	D42LR1XL	High ratio alum. lever, 2.932"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	5.45	3.99	3.27
482986CG	D42LR1YD	Standard ratio alum. lever, 1.40"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.15	3.10	2.68
482994CG	D42LR1YL	Standard ratio alum. lever, 1.40"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.29	3.18	2.74
483049CG	D43BQ3RA	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" dog leg	2.75	2.57	1.90
483153CG	D43LR1LD	Standard ratio lever, 1.40"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.25	3.12	2.69
483102CG	D43CR1RA	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.15	2.51	2.09
483111CG	D43CR1RD	Standard ratio roller, 1.34"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.39	2.51	2.17
483129CG	D43CR1TD	High ratio roller, 1.516"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.39	2.25	2.14
483137CG	D43CV3RA	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.250" dog leg	2.09	1.98	1.46
483188CG	D43LR1RA	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.55	2.42	2.30
483276CG	D44CR1RA	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.35	1.92	1.70
483284CG	D44CR1RD	Standard ratio roller, 1.34"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.15	2.30	1.99
483292CG	D44CR1SC	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.35	1.24	1.12
483305CG	D44CR1SD	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.49	2.16	1.59
483401CG	D44LR1RA	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	4.45	2.79	2.28
483410CG	D44LR1RD	Standard ratio roller, 1.34"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.45	2.53	2.18
483428CG	D44LR1SC	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.55	1.47	1.32
483436CG	D44LR1SD	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.45	2.35	1.74
483444CG	D44LV3RA	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.250" dog leg	2.85	2.71	2.00

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



D4 Series Miniature Snap-Action Switches (Continued)

Part No.	Product No.	Lever Type	Contact Rating	NO/NC Terminals	Moving Blade	Contacts	Terminal Type	1	10	100
483250CG	D44CR1LA	Standard ratio lever, 0.865"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	\$2.85	\$2.09	\$1.81
483268CG	D44CR1LD	Standard ratio lever, 1.400"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.85	1.75	1.55
483356CG	D44LR1LA	Standard ratio lever, 0.865"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.05	1.93	1.83
483372CG	D44LR1LL	Standard ratio lever, 2.757"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.69	2.00	1.85
483381CG	D44LR1MD	High ratio lever, 1.40"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.89	1.80	1.59
483399CG	D44LR1ML	High ratio lever, 2.934"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.85	2.28	1.86
483461CG	D45AQ1NA	High ratio 1-way roller, 0.987"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	4.49	4.27	3.15
483532CG	D45CR1RA	Standard ratio roller, 0.81"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.39	2.49	2.15
483541CG	D45CR1RD	Standard ratio roller, 1.34"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.15	2.98	2.20
483647CG	D45LR1RA	Standard ratio roller, 0.81"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.55	2.42	2.14
483655CG	D45LR1RD	Standard ratio roller, 1.34"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.75	2.59	2.46

See Our Cherry D48 & DN3 Series Miniature Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap

DA Series Subminiature Snap-Action Switches

- Contact rating: 0.1A @ 125VAC
- Electrical life at rated load: 100,000 cycles per UL
- Temp. rating: -40°C to +85°C • UL94V-0 rated
- Case: thermoplastic polyester
- Actuating button: thermoplastic acetal
- Terminals: silver-plated bronze
- Moving blade: silver-plated beryllium copper
- Spring: copper coated stainless steel
- Auxiliary actuator and roller: stainless steel
- Contacts: gold cross point
- Recommended #2-56 round head screw



DB Series Subminiature Snap-Action Switches

- High precision switch with high repeat accuracy
- Contact form: SPDT
- Flammability rating: UL94V-0 for PBT and PET materials; UL94HB for POM material
- Electrical life @ rated load: 6,000 operations per UL
- Mechanical life: 15 x 10⁶ operations
- Base: PET (polyethyleneterephthalate)
- Cover: PBT (polybutyleneterephthalate)
- Actuator PBT, POM (polyacetal)
- Auxiliary actuator: stainless steel or plastic
- Terminals: silver-plated copper zinc
- Contacts: silver alloy gold cross point



Part No.	Product No.	Contact Form	Lever Type	Terminals	1	10	100
483680CG	DA3AF1RB	SPST NO	Standard ratio roller, 0.21"L	Quick conn. 0.093"	\$6.09	\$5.79	\$4.27
483727CG	DA3CB1RB	SPDT	Standard ratio roller, 0.21"L	Quick conn. 0.110"	4.35	4.10	3.77
483735CG	DA3CB1SB	SPDT	Std. ratio simultd roller, 0.197"L	Quick conn. 0.110"	5.29	4.22	3.44
483760CG	DA3CD1RB	SPDT	Standard ratio roller, 0.21"L	Short solder eyelet 0.110"	4.29	3.49	3.09
483778CG	DA3CD1SB	SPDT	Std. ratio simultd roller, 0.197"L	Short solder eyelet 0.110"	3.55	3.38	2.99
483786CG	DA3CD1UB	SPDT	Hi ratio simultd roller, 0.322"L	Short solder eyelet 0.110"	3.95	3.73	2.76
483831CG	DA3CF1RB	SPDT	Standard ratio roller, 0.201"L	Quick conn. 0.093"	5.25	4.07	3.33
483840CG	DA3CF1SC	SPDT	Std. ratio simultd roller, 0.258"L	Quick conn. 0.093"	4.59	4.35	3.21
483858CG	DA3CF1UA	SPDT	Hi ratio simultd roller, 0.235"L	Quick conn. 0.093"	5.65	4.18	3.61
483866CG	DA3CF1UB	SPDT	Hi ratio simultd roller, 0.322"L	Quick conn. 0.093"	3.95	3.73	2.76
483903CG	DA3CK1RB	SPDT	Standard ratio roller, 0.201"L	Solder eyelet 0.110"	5.15	4.88	3.60

Part No.	Product No.	Contact Rating	Lever Type	Terminals	1	10	100
483971CG	DB1CB1RB	5A @ 125/250VAC	Roller	Quick conn. 0.110" straight	\$2.89	\$2.30	\$1.88
483989CG	DB1CB1RC	5A @ 125/250VAC	Roller	Quick conn. 0.110" straight	2.89	2.31	1.89
484041CG	DB1CD5RC	5A @ 125/250VAC	Roller	PCB terminals left and side	3.05	2.40	1.96
484084CG	DB2CA1RC	10.1A @ 125/250VAC	Roller	Short solder	2.85	2.30	1.88
484105CG	DB2CB1RC	10.1A @ 125/250VAC	Roller	Quick conn. 0.110" straight	2.85	2.31	1.89
484156CG	DB3CB1SC	0.1A @ 125/250VAC	Simulated	Quick conn. 0.110" straight	1.95	1.60	1.37

DG Series Subminiature Snap-Action Switches

- Contact form: SPDT
- Lever type: roller 0.075"L
- Small dimensions, just 0.504" x 0.228" x 0.256"
- Electrical life at rated load: 6,000 operations per UL
- Mechanical life: 1 x 10⁶ operations
- Temp. rating: -25°C to +85°C
- Flammability rating: UL94V-0
- Base: PPHS (polyphenylene sulphide)
- Cover and actuator: PBT (polybutyleneterephthalate)
- Auxiliary actuator: stainless steel
- Terminals: silver-plated brass



Part No.	Product No.	Contact Rating	Contacts	Terminals	1	10	100
484578CG	DG13B1RA	3A @ 125VAC, 2A @ 30VDC	Silver alloy	PCB straight	\$3.29	\$2.42	\$1.97
484607CG	DG13B3RA	3A @ 125VAC, 2A @ 30VDC	Silver alloy	PCB left side	2.49	2.29	1.98
484631CG	DG23B1RA	0.05A @ 30VDC	Gold flash, gold	PCB straight	3.49	2.58	2.10
484666CG	DG23B2RA	0.05A @ 30VDC	Gold flash, gold	PCB right side	3.89	2.87	2.48

DH Series Subminiature Snap-Action Switches

- Electrical rating: DH3: 50 to 300mA @ 30VDC; DH4: 5 to 50mA @ 30VDC
- Ultraminiature dimensions
- Specially designed for low switching currents/voltages
- Temperature rating: -25°C to +70°C
- UL94V-0 flammability rating



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See Our Cherry DH Series Subminiature Snap-Action Offering at www.Jameco.com/Prod/CherrySubSnap

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30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.



DC Series Sealed Subminiature Snap-Action Switches

- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94V-0 (PET, PBT material); UL94HB (POM)
- Case: PET (polyethyleneterephthalate) / PBT (polybutyleneterephthalate)
- Actuator: POM (polyacetal)
- Terminals: silver plated copper zinc
- Mechanical life (min.): 1×10^6 operations
- Auxiliary actuator: stainless steel or plastic



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Contacts	Terminal Type	1	10	100
484228CG	DC1CA1RB♣	SPDT	Roller 0.098"L	5A @ 125/250VAC	Silver alloy	Short solder	\$6.95	\$5.78	\$5.01
484236CG	DC1CA1RC♣	SPDT	Roller 0.185"L	5A @ 125/250VAC	Silver alloy	Short solder	4.85	4.58	3.38
484252CG	DC1CB3RC♣	SPDT	Roller 0.185"L	5A @ 125/250VAC	Silver alloy	Lead wires	15.05	14.25	10.52
484287CG	DC1CD5RB♣	SPDT	Roller 0.098"L	5A @ 125/250VAC	Silver alloy	18AWG lead wires	12.49	11.87	8.76
484359CG	DC2CA1RB♣	SPDT	Roller 0.098"L	10.1A @ 125/250VAC	Silver alloy	Short solder	4.95	3.68	3.01
484367CG	DC2CA1RC♣	SPDT	Roller 0.185"L	10.1A @ 125/250VAC	Silver alloy	Short solder	4.45	4.21	3.11
484404CG	DC3AA1RC♣	SPST NO	Roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	Short solder	5.65	5.35	3.95
484412CG	DC3BB3LB♣	SPST NC	Lever 0.189"L	0.1A @ 125/250VAC	Gold cross point	Lead wires	14.35	13.60	10.04
484447CG	DC3CA1RB♣	SPDT	Roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	Short solder	5.15	4.90	3.62
484455CG	DC3CA1SB♣	SPDT	Simulated roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	Short solder	4.75	4.50	3.33
484480CG	DC3CK6SC♣	SPDT	Simulated roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	PCB terminals	4.99	4.72	3.49
484501CG	DC3CK7SC♣	SPDT	Simulated roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	PCB terminals	4.99	4.72	3.49
484527CG	DC3CL1RC♣	SPDT	Roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	Lead wires	5.85	5.53	4.08
484543CG	DC3CM5RB♣	SPDT	Roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	20AWG lead wires	12.15	11.82	11.67



E21 - E22 - E23 Series Miniature Snap-Action Switches

- Long life coil mechanism
- Temperature rating: -40°C to +85°C
- Actuating button: thermoplastic acetal
- NO & NC terminals: brass
- Roller: sintered stainless steel
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94HB
- Common terminals: silver plated brass
- Spring: stainless steel
- Recommend #4-40 round head screw
- Case: general purpose phenolic



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Auxiliary Actuator	Contacts	Terminal Type	1	10	100
424461CG	E21-00K♣	SPDT	Roller 0.81"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	\$5.59	\$4.15	\$3.41
424524CG	E21-30K♣	SPDT	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	4.19	3.94	3.74
424559CG	E21-50HL♣	SPDT	Lever 1.580"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	7.15	7.07	7.00
424575CG	E21-50K♣	SPDT	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Short solder	4.29	4.07	3.61
424583CG	E21-50KX♣	SPDT	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	4.19	3.90	3.70
424591CG	E21-50N♣	SPDT	Straight plastic 1.382"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	5.45	5.17	4.91
424604CG	E21-50NX♣*	SPDT	Straight plastic 1.382"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.75	3.55	3.37
424612CG	E21-51K♣	SPST NO	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.55	3.37	3.20
424621CG	E21-51KX♣*	SPST NO	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.95	3.71	3.52
424639CG	E21-71KX♣*	SPST NO	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.65	3.48	3.30
424647CG	E21-75HX♣	SPDT	Straight 1.58"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.95	3.75	3.54
424655CG	E21-75KX♣*	SPDT	Roller 1.516"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.75	3.56	3.38
424671CG	E21-85HX♣	SPDT	Lever 2.932"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	7.39	5.49	4.46
424680CG	E21-90K♣	SPDT	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	6.05	5.74	5.45
424698CG	E21-92N♣	SPST NC	Simulated roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.09	2.93	2.78
424735CG	E22-00K♣	SPDT	Roller 0.81"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.53	2.28
424823CG	E22-50K♣	SPDT	Roller 1.34"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.51	2.38
424831CG	E22-50KL♣	SPDT	Roller 1.516"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	3.65	2.77	2.28
424840CG	E22-50KX♣*	SPDT	Roller	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.95	2.79	2.65
424858CG	E22-50P♣	SPDT	Roller 1.34"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	5.89	5.82	5.76
424891CG	E22-75KX♣*	SPDT	Roller 1.516"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.49	2.37
424920CG	E22-90N♣	SPDT	Straight plastic 1.289"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.29	2.18	2.07
424954CG	E23-00H♣	SPDT	Straight 0.865"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.99	2.96	2.93
424962CG	E23-00K♣	SPDT	Roller 0.81"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.85	2.82	2.33
424971CG	E23-00KX♣*	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.85	2.70	2.56
424997CG	E23-20K♣	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Solder terminal	2.79	2.65	2.51
425009CG	E23-40K♣	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.85	2.69	2.55
425017CG	E23-50H♣	SPDT	Lever 1.40"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.39	2.26	2.15
425025CG	E23-50HL♣	SPDT	Lever 1.58"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.15	3.08	3.05
425033CG	E23-50HX♣	SPDT	Lever 1.40"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.49	2.35	2.23
425041CG	E23-50K♣	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.85	2.82	2.33
425050CG	E23-50KX♣*	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.69	2.56	2.43
425068CG	E23-50N♣	SPDT	Straight plastic 1.382"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.15	2.04	1.94
425076CG	E23-50P♣	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	5.89	5.83	5.79
425105CG	E23-70KL♣	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.05	2.90	2.75
425121CG	E23-75KX♣*	SPDT	Roller 1.516"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.89	2.74	2.60
425148CG	E23-90N♣	SPDT	Simul. roller plas. 1.289"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.09	1.99	1.89

* Light force type actuator

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Snap-Action Switches (Continued)

Color Code Legend			
New	Sale	Lower\$	QtySave



E33 - E34 Series Miniature Snap-Action Switches

- Long life coil mechanism
- Temperature rating: -40°C to +85°C
- Actuating button: thermoplastic acetal
- Spring: stainless steel
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94HB
- Common terminals: silver plated brass
- Roller: sintered stainless steel
- Case: general purpose phenolic
- NO & NC terminals: brass
- Recommend #4-40 round head screw

425236CG



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Auxiliary Actuator	Contacts	Terminal Type	1	10	100
425236CG	E33-00K♣	SPDT	Roller 0.81"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	\$3.35	\$2.47	\$2.14
425244CG	E33-00KT♣	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.19	3.03	2.88
425252CG	E33-01K♣	SPDT NO	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.55	2.41	2.29
425295CG	E33-10K♣	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	5.69	5.40	5.13
425316CG	E33-20K♣	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Solder terminal	2.65	2.52	2.39
425324CG	E33-40K♣	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.89	2.73	2.59
425367CG	E33-50K♣	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.35	2.23	2.07
425375CG	E33-50KL♣	SPDT	Roller 1.516"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.49	2.33	2.21
425383CG	E33-50KX♣*	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.65	2.49	2.37
425391CG	E33-50P♣	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	5.59	5.30	5.03
425471CG	E33-75KX♣*	SPDT	Roller 1.516"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	1.99	1.90	1.80
425498CG	E33-90N♣	SPDT	Simul. roller plas. 1.289"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.05	1.94	1.84
425501CG	E33-90NX♣*	SPDT	Simul. roller plas. 1.289"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.09	1.96	1.86
455822CG	E34-00K♣	SPDT	Roller 0.810"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.55	2.71	2.23
455831CG	E34-00KX♣	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.55	2.40	2.28
455881CG	E34-10K♣	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.19	3.94	3.74
455890CG	E34-11K♣	SPDT NO	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.45	4.22	4.01
455902CG	E34-12K♣	SPDT NC	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.49	4.29	4.07
455929CG	E34-20K♣	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Solder terminal	2.99	2.82	2.68
456008CG	E34-50KL♣	SPDT	Roller 1.516"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.65	2.52	2.39
456024CG	E34-50P♣	SPDT	Roller 1.340"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	5.65	5.59	5.53
456041CG	E34-70K♣	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.09	2.95	2.79

* Light force type actuator



E53 Series Miniature Snap-Action Switches, Low Torque

- Long life coil spring mechanism
- Electrical life: 6,000 operations per UL
- Case: general purpose phenolic
- Low torque rotary actuation
- Flammability rating: UL94HB
- Spring: stainless steel



Part No.	Product No.	Contact Form	Terminal Material	Contact Rating	Moving Blade	Actuator	Contacts	Terminal Type	1	10	100
456260CG	E53-00B♣	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire clockwise	Gold cross point	Quick conn. 0.205"	\$12.85	\$9.49	\$7.71
456278CG	E53-00E♣	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.205"	11.65	8.63	7.44
456286CG	E53-00R♣	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire clockwise	Gold cross point	Quick conn. 0.187"	10.65	7.86	6.78
456294CG	E53-00T♣	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.187"	7.55	7.14	6.78
456307CG	E53-50T♣	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.187"	10.65	10.53	10.43



K Series Miniature Snap-Action Switch

- Long mechanical life
- Electrical life at rated load: 100,000 operations per UL
- Temperature rating: -40°C to +85°C
- Button: thermoplastic acetal
- Moving blade: beryllium copper
- Wiping contact action
- Snap over actuators
- Flammability rating: UL04V-0
- Case and cover: thermoplastic polyester
- Auxiliary actuator: cold-rolled steel (nickel plated)
- Recommend #4-40 round head for mounting



Part No.	Product No.	Lever Type	Contact Rating	Terminal Material	Contacts	Terminal Type	1	10	100
512794CG	KWMAQACT♣	Roller standard ratio 1.340"L	15.1A @ 125/250VAC	Brass	Silver alloy	Quick connect 0.187"	\$3.29	\$3.14	\$2.32

See Our Additional Cherry Miniature Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap



E61 Series Subminiature Snap-Action Switches

- Long life coil spring mechanism
- Temperature rating: -40°C to +85°C
- Actuating button: thermoplastic acetal
- Spring: stainless steel
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94HB
- Terminals: silver-plated commercial bronze
- Auxiliary actuator: cold-rolled steel (nickel-plated)
- Case: thermoplastic
- Recommend #2-56 round head

456366CG



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Contacts	Terminal Type	1	10	100
456366CG	E61-00K♣	SPDT	Roller 0.203"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	\$4.55	\$3.39	\$2.82
456374CG	E61-00KP♣	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	5.25	4.95	4.70
456382CG	E61-00R♣	SPDT	Simulated roller 0.196"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	4.79	4.75
456391CG	E61-00RP♣	SPDT	Simulated roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	6.75	6.41	6.09
456438CG	E61-10K♣	SPDT	Roller 0.203"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.55	3.39	2.82

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E Series Subminiature Snap-Action Switches (Continued)

Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Contacts	Terminal Type	1	10	100
456446CG	E61-10R♣	SPDT	Simulated roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	\$2.35	\$2.31	\$2.29
456497CG	E61-30K♣	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.49	3.39	2.82
456526CG	E61-31K♣	SPST NO	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	2.75	2.71	2.69
456569CG	E61-50K♣	SPDT	Roller 0.326"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	3.59	3.39	3.14
456614CG	E61-60K♣	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.85	3.58	3.09
456649CG	E61-80K♣	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	3.58	3.09
456690CG	E62-00K♣	SPDT	Roller 0.203"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.59	3.42	3.04
456729CG	E62-02K♣	SPST NC	Roller 0.203"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.55	4.08	3.88
456753CG	E62-10K♣	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.59	3.42	3.04
456809CG	E62-30K♣	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	3.39	3.20	3.04
456833CG	E62-50K♣	SPDT	Roller 0.326"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	3.86	3.15
456850CG	E62-60K♣	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	3.39	3.20	3.04
456876CG	E62-80K♣	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	2.99	2.84	2.70
456913CG	E63-00K♣	SPDT	Roller 0.203"L	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	7.05	5.33	4.48
456972CG	E63-10K♣	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Short solder	7.05	5.33	4.48
457019CG	E63-30K♣	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	7.15	5.70	4.64
457094CG	E63-80K♣	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	4.99	4.72	4.48



E72/E73 Series Sealed Subminiature Snap-Action Switches

- Moisture resistant
- Long life coil spring mechanism
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94V-0
- Potting: macromelt polyamide
- Water resistant, weatherproof hydrin boot
- Temperature rating: -40°C to +85°C
- Case & button: hi-temp thermoplastic nylon
- Recommended #6-32 round head screw



457431CG

Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Actuator	Contacts	Terminal Type	1	10	100
457414CG	E72-42KT♣	SPST NC	Roller 0.650"L	10.1A @ 125/250VAC	Stainless steel	Silver alloy	Quick connect	\$11.75	\$8.73	\$7.44
457431CG	E73-40KT♣	SPDT	Roller 0.650"L	0.1A @ 125VAC	Stainless steel	Gold cross point	16AWG lead wires	10.55	10.00	9.50



E Series General Purpose Snap-Action Switches

Single and Double Pole

- Long life coil mechanism
- Temperature rating: 105°C standard
- Case: general purpose phenolic
- Terminals: 0.250" quick connect
- Roller: sintered stainless steel
- Spring: stainless steel
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94HB
- Actuating button: thermoplastic nylon
- Auxiliary actuators: cold-rolled steel (nickel plated)
- Recommended #6-32 round head screw



424145CG

424436CG

425164CG

Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Common Terminal	NO/NC Terminal	Moving Blade	Contacts	1	10	100
424057CG	E13-01H♣	SPST NO	Lever 1.500"	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	\$3.79	\$2.80	\$2.41
424137CG	E13-50H♣	SPDT	Lever 1.500"	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	3.65	2.67	2.21
424022CG	E13-00K	SPDT	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	5.79	4.29	3.48
424065CG	E13-01K♣	SPST NO	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	4.59	4.53	4.49
424129CG	E13-11K♣	SPST NO	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	5.79	4.29	3.48
424145CG	E13-50K♣	SPDT	Roller 1.645"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	2.95	2.81	2.67
424161CG	E14-00H♣	SPDT	Lever 1.500"	25A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	4.39	3.48	2.84
424250CG	E14-50K♣	SPDT	Roller 0.902"L	25A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	3.39	3.22	3.06
424348CG	E19-50K♣	DPDT	Roller 0.902"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	10.19	7.52	6.10
424381CG	E20-00K♣	DPDT	Roller 0.652"L	20A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	6.85	6.48	5.96
424436CG	E20-50K♣	DPDT	Roller 0.902"L	20A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	7.65	7.26	6.51
425164CG	E30-00K♣	SPDT	Roller 0.652"L	30.1A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	3.85	3.79	3.75

See Our Cherry E19A & G13 Series General Purpose Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap



Snap-Action Switches

A Series General Purpose

- Low cost—high performance
- Insulation resistance: 1000MΩ min.
- Contact rating: 30.1A @ 277VAC
- Operating temp.: -55°C to +85°C

LC Series Subminiature Precision

- Long life and high electrical capacity
- Insulation resistance: 1000MΩ min.
- Contact rating: 10.1A @ 250VAC
- Operating temp.: -25°C to +85°C

MM Series Miniature Subminiature Precision

- Low level and power switching
- Increased overtravel
- Contact rating: 7A @ 250VAC
- Operating temp.: -55°C to +135°C
- Long electrical & mechanical life
- Reliable snap-acting mechanism
- Insulation resistance: 1000MΩ min.



A Series

LC Series

TF Series

TM Series Miniature

- Cost-effective solution
- Insulation resistance: 1000MΩ min.
- Contact rating: 15A @ 250VAC
- Operating temp.: -55°C to +150°C

TF Series Miniature

- Broad range of operating forces
- Insulation resistance: 1000MΩ min.
- Contact rating: 25A @ 277VAC
- Operating temp.: -40°C to +85°C

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See Our Complete C&K Snap-Action Switch Offering at www.Jameco.com/Prod/CKSnap

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Color Code Legend
New Sale Lower\$ QtySave

Miniature Snap-Action Switches

Part No.	Product No.	Current Rating	Contact Form	Actuator	Terminals	Pricing		
						1	25	50
617596CG	35-824	10A @ 125VAC	SPDT	Lever	0.187" QC	\$3.09	\$2.99	\$2.90
617609CG	35-827	10A @ 125VAC	SPDT	Lever roller	0.187" QC	5.15	4.83	4.56
617650CG	35-840	10A @ 125VAC	SPDT	Lever	0.187" QC	5.65	4.01	3.82
617668CG	35-842	15A @ 125VAC	SPDT	Lever	0.187" QC	4.09	3.75	3.61
617676CG	35-844	15A @ 125VAC	SPDT	Lever	0.187" QC	2.79	2.42	2.07
617684CG	35-846	10A @ 125VAC	SPDT	Lever roller	0.187" QC	3.65	3.09	2.61
617692CG	35-848	15A @ 125VAC	SPDT	Lever roller	0.187" QC	3.49	2.94	2.46
617801CG	35-872	10A @ 125VAC	SPST NO	Pin plunger	0.187" QC	3.15	2.68	2.29
617836CG	35-878	10A @ 125VAC	SPDT	Simulated roller	0.187" QC	4.55	4.24	4.01
617844CG	35-880	10A @ 125VAC	SPDT	Lever	0.187" QC	2.39	2.21	2.07
622475CG	35-3932	20A @ 250VAC	SPDT	Pin plunger	0.187" QC	5.95	5.20	4.53
622483CG	35-3934	10A @ 125VAC	SPDT	Lever	0.187" QC	2.55	2.23	1.96
622521CG	35-3945	15A @ 277VAC	SPDT	Lever	0.187" QC	5.65	4.95	4.31

General Purpose Snap-Action Switches

Part No.	Product No.	Current Rating	Contact Form	Actuator	Terminals	Pricing		
						1	10	100
617001CG	35-461	15A @ 480VAC	SPDT	Plunger	0.250" QC	\$2.25	\$2.07	\$1.91
617019CG	35-462	15A @ 480VAC	SPDT	Plunger	0.250" QC	4.79	4.39	4.02
617027CG	35-463	15A @ 480VAC	SPDT	Roller	0.250" QC	5.29	4.82	4.41
617941CG	35-982	20A @ 125VAC	SPDT	Plunger	Solder/screw	14.65	12.53	10.56
622441CG	35-3908	20A @ 125VAC	SPDT	Plunger	Screw	13.65	11.99	10.40
622467CG	35-3916	20A @ 125VAC	SPDT	Lever	Screw	9.95	8.55	7.28

GP Series Heavy-Duty Snap-Action Switches

- Ultra small travel differential
- Contact form: SPDT
- Mechanical life tested to 1 million cycles
- Contact rating: 15A @ 250VAC (UL); 15A @ 250V (VDE)
- Dielectric strength: 1000VAC 50/60Hz for 1 minute
- Insulation resistance: 100MΩ at 500VDC
- Initial contact resistance: 15mΩ max.
- Temp. range: -20°C to +85°C • Case & cover: phenolic
- Spring: beryllium copper alloy • Contacts: silver alloy
- Terminals: brass screw and copper alloy solder
- Lever actuator: stainless steel • Roller type lever



511927CG

511935CG

Part No.	Product No.	Terminals	1	10	100
511919CG	GPSCRG01	Solder metric	\$12.75	\$8.48	\$7.31
511927CG	GPSCRG11	Solder US	7.35	6.98	6.27
511935CG	GPSCRH01	Solder metric	18.59	12.37	10.67
511943CG	GPSCRH02	Solder metric	18.59	12.37	10.67
511951CG	GPSCRH11	Solder US	18.95	12.62	10.52
511960CG	GPSCRH12	Solder US	18.59	12.37	10.31
511978CG	GPSCRM01	Solder metric	9.65	6.43	5.54
511986CG	GPSCRM11	Solder US	9.85	6.56	5.47
511994CG	GPSCRR01	Solder metric	8.79	5.86	5.05
512006CG	GPSCRR11	Solder US	4.99	4.71	4.23
512014CG	GPSCRS01	Solder metric	9.65	6.43	5.54
512022CG	GPSCRS11	Solder US	5.45	5.17	4.64
512170CG	GPTCRG01	Screw metric	12.05	8.02	6.92
512188CG	GPTCRG11	Screw US	12.05	8.02	6.68
512196CG	GPTCRH01	Screw metric	18.59	12.37	10.67
512217CG	GPTCRH11	Screw US	10.49	9.96	8.95
512225CG	GPTCRH12	Screw US	18.95	12.62	10.52
512233CG	GPTCRM01	Screw metric	9.65	6.43	5.54
512241CG	GPTCRM11	Screw US	5.89	5.61	4.94
512250CG	GPTCRR01	Screw metric	8.79	5.86	5.05
512268CG	GPTCRR11	Screw US	8.99	5.98	4.98
512276CG	GPTCRS01	Screw metric	9.65	6.43	5.54
512284CG	GPTCRS11	Screw US	9.85	6.56	5.47

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

3P Series Miniature Pushwheel Switches

- Contact rating: carry – 1A continuous; switch – 0.4W max., 100mA max., 28VDC max.
- Operating voltage: 50mV to 28VDC
- Electrical life: 1,000,000 actuations
- Insulation resistance: 10⁹Ω min. (dry)
- Dielectric strength: 500V_{RMS} min.
- Contact resistance: below 300mΩ typ. @ 2-4VDC, 100mA
- Rotor contacts: gold over nickel over copper alloy
- Stator contacts: hard gold over nickel over copper on epoxy fiberglass
- Pushwheel: polycarbonate • Housing & pushbutton: polycarbonate (UL94V-0)



Part No.	Product No.	Terminals	Termination	1	10	50
569088CG	3P0210002	BCD 1-2-4-8, snap-in front mount w/ dust lens	Standard PCB	\$11.55	\$9.79	\$8.39
569109CG	3P0210A02	BCD 1-2-4-8, snap-in front mount w/ dust lens	Extended PCB with solder pins	10.45	9.57	8.70

3 Series Thumbwheel Switches

- Contact rating: carry – 1A continuous; switch – 100mA max.
- Operating voltage: 50mV to 28VDC or 120VAC
- Electrical life: 100,000 actuations
- Contact resistance: below 100mΩ typical initial @ 2-4VDC @ 100mA • Insulation resistance: 10⁹Ω min.
- Dielectric strength: 500V_{RMS} min.
- Housing and thumbwheel: ABS plastic
- Rotor contacts: precious metal on copper alloy
- Stator contacts: hard gold over nickel over copper
- Typical applications: test & measurement equipments, industrial equipment, computer devices



577942CG

Part No.	Product No.	Terminals	Termination	1	10	50
577846CG	301109000	Decimal, SP 10 pos., snap-in front mount	Standard PCB	\$8.65	\$7.78	\$7.69
577854CG	301119000	Decimal, SP 10-pos., rear mnt.	Standard PCB	8.49	7.78	7.08
577862CG	301490100	Resistor decade, snap-in front mount	Extended PCB	10.45	9.42	9.31
577871CG	302109000	BCD, 10-position, snap-in front mount	Standard PCB	8.65	7.78	7.69
577900CG	302119000	BCD, 10-position, rear mount	Standard PCB	8.65	7.78	7.69
577942CG	307109000	BCH, 16-pos., snap-in fr. mnt.	Standard PCB	43.89	41.69	39.60
577951CG	307119000	BCH, 16-pos., rear mount	Standard PCB	46.35	44.00	39.60

3 Series Thumbwheel Switch Accessories

Part No.	Product No.	Description	1	10	50
577969CG	400402000	Black rear mount end plates, type 1	\$.33	\$.309	\$.285
578005CG	412701000	Screw 0-80UNF thread, 3-4 front mount	1.89	1.78	1.73
578013CG	412702000	Screw 0-80UNF thread, 5-7 front mount	1.89	1.78	1.73
578021CG	412703000	Screw 0-80UNF thread, 8-10 front mount	2.59	2.06	1.85
578030CG	413402000	Black front mount end plates, type 0	1.30	1.23	1.20
578048CG	413502000	Blk fr. mnt. blank sections, 0.315" T, type 0 & 3	1.59	1.49	1.45

Alcoswitch Pushwheel Switches

- Contact rating: 0.4VA @ 20VDC
- Operating temp: -20°C to +80°C • Front mount
- Mechanical life: more than 1,000,000 operations

SMCD Series Mini Bidirectional

- Large visible readout characters
- Protected by dust-sealed windows
- Snap together grouping and snap-in panel mounting minimize installation time and cost



DPS9 Series Bidirectional

- Dual pushbutton code switches have identical height but differ in width
- Can directly retrofit common thumbwheel switches

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Alcoswitch Pushwheel Offering at
www.Jameco.com/Prod/AlcoPushwheel



Pushbutton Binary Coded Decimal (BCD) Switch

26788CG (2 switches shown)

Thumbwheel Binary Coded Decimal (BCD) Switch

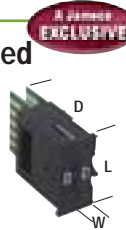
(2 switches shown) 26818CG

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC
- Break before make
- Operating temperature: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting w/ end plates
- Switches snap together

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing			
					1	10	50	100
26788CG	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$5.69	\$5.15	\$4.65	\$4.15
26761CG	MXEP2	Mounting end plates for 26788CG	1.2 x 0.2 x 1.1	—	1.15	.99	.89	.79
26818CG	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.49	3.95	3.55	3.19
26770CG	MXEP3	Mounting end plates for 26818CG	1.2 x 0.2 x 1.3	—	1.05	.88	.84	.77

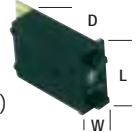


Mini Pushbutton BCD Switch

- Operating temperature: -10°C to +65°C
- 28VDC @ 10A
- Break before make
- Switches snap together
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. #	Description	1	10	100
136557CG	MX061	10-pos. straight	\$3.79	\$3.41	\$3.06



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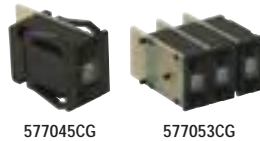


Pushwheel Switches

- Contact resistance: 0.1Ω max.
- Dielectric strength: 500V
- Max. non-switching current: 1A
- Housing material: PPO (noryl)
- Insulating resistance: 10,000MΩ
- Electrical rating: 0.1A/50V
- Mechanical cycle: 10,000,000 operations
- Contacts: WE alloy

PA Series

- Selector switches with very small dimensions for front-mounting
- Printed circuit board: glass filled epoxy, copper-plated gold over nickel
- Mounting: front mounting, snap-in end caps
- Terminals: gold-plated quick connect terminal or solder pins



Part No.	Product No.	Description	Pos.	1	10	50
577037CG	PABA3000	Octal (0-7), short PCB	8	\$16.95	\$15.06	\$10.40
577045CG	PABA3114	Octal (0-7), short PCB	8	18.85	16.71	11.19
577053CG	PACA3000	BCD (0-9), short PCB	10	14.55	10.20	8.95
577061CG	PACA3100	BCD (0-9), short PCB	10	16.35	14.47	9.68
577070CG	PACA3114	BCD (0-9), short PCB	10	16.35	14.47	9.68
577088CG	PACA4000	BCD (0-9), extended PCB	10	17.75	15.80	10.91
577096CG	PEAA3000	BCD compliment (0-9), short PCB	10	22.45	20.00	13.81
577109CG	PAGA3100	Hexadecimal (0-9, A-F), short PCB	16	12.65	8.83	7.75
577117CG	PAGA3114	Hexadecimal (0-9, A-F), short PCB	16	12.65	11.22	8.73

PA Series Accessories

Part No.	Product No.	Description	1	10	50
423599CG	609-0797	Housing, 7.62mm	\$.93	\$.83	\$.69

Decimal/BCD/BCD Compliment/Hexadecimal for PA Series

Part No.	Product No.	Description	1	10	50
482425CG	C2KON107	Solder pins without flange	\$5.29	\$5.00	\$4.13
482433CG	C2KOP107	Solder lugs without flange	3.75	3.33	3.13
482468CG	C2ROP8AD	Solder pins without flange, for decimal type	5.15	4.86	4.02



KS Series Single Pole Switches

- Typical applications: telecommunications, industrial, instrumentation
- Contact resistance: below 100mΩ initial @ 2-4VDC, 100mA
- Dielectric strength: 1,000Vrms
- Actuator: ABS or polycarbonate ABS blend, matte finish, black
- Cap color: black except for P/N 583357CG – red
- Positive tactile feel
- Insulation resistance: 1,000MΩ min.
- Case: glass filled nylon (UL94V-0)
- Cap: round depression
- Electrical life: 10,000 actuations
- PC terminals
- Terminal seal: epoxy
- SPST OFF-MOM



Part No.	Product No.	Contact Rating	Movable Contacts	Stationary Contact/Term.	1	10	100
583306CG	KS11R21CBD	0.4VA @ 20VAC/VDC	Beryllium copper with gold over nickel	Copper alloy with gold over nickel	\$1.85	\$1.70	\$1.36
583349CG	KS11R22CQE	25mA @ 50VAC/VDC	Beryllium copper silver plated	Copper alloy silver plated	1.99	1.89	1.85
583357CG	KS11R23CQD	25mA @ 50VAC/VDC	Beryllium copper silver plated	Copper alloy silver plated	1.06	1.03	1.00



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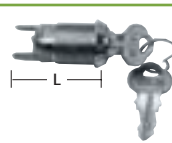
Jameco ValuePro SPST Round Keylock Switches

- Used in computer & other security systems
- Key removable from 2 positions • Two keys
- Mounting hole = 0.75" except P/N 106649CG = 0.5"

196648CG: all keys are alike

Includes: Mounting nut

Blue Part No. = Limited Quantity Available



Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	Pricing			
						1	10	50	100
106649CG	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$3.59	\$3.29	\$2.89	\$2.49
105831CG	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	3.99	3.59	3.29	2.99
196648CG	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.49	3.99	3.65	3.29

Alcoswitch Keylock Switches

SKF Series

- Contact rating: 1A @ 120VAC resistive

SKT Series

- Contact rating: Gold – 0.4VA max. @ 20VDC or peak AC; Silver – 3A @ 125VAC/28VDC resistive

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Keylock Switch Offering at www.Jameco.com/Prod/AlcoKeylock



Keylock Switches

- Contact rating: 2A @ 250VAC/4A @ 28VDC • Includes nut & 2 keys • 621317CG: 2.1A @ 46VDC (96VAC); includes nut, screw, ring, & key

Part No.	Product No.	Poles	Lock Type	Key Removal	Terminal	Mounting Hole (ins.)	Pricing		
							1	10	50
621317CG	35-196	SPST on-off	5 disk tumbler	2	Screw	0.875	\$13.69	\$12.98	\$12.33
621843CG	35-3192	DPDT on-on	4 tumbler w/ detent	2	Solder eyelet	0.760	14.45	13.36	12.22
621851CG	35-3193	SPDT on-on	6 tumbler w/ tube lock	2	6" wire	0.76 x 0.64	16.45	15.15	13.84
621860CG	35-3194	SPDT on-on	6 tumbler w/ tube lock	1	6" wire	0.76 x 0.64	15.15	13.75	12.68
621878CG	35-3195	SPDT on-(on)	4 tumbler	1	6" wire	0.76 x 0.64	14.05	12.92	11.80
621886CG	35-3197	SPDT on-on-on	4 tumbler	1	Solder lug	0.76 x 0.6	12.05	11.03	10.02

621317CG



621860CG



Keylock Switches

A Series 4 & 5 Tumbler 1-4 Poles

- Contact rating: 2.5A @ 125VAC; 350mA @ 125VDC

BY Series 4 Tumbler Value Added Security

- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC

H Series 4 & 6 Tumbler Power

- Contact rating: 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC



P Series 4 Tumbler Snap-in

- Contact rating: 4A @ 125VAC; 1A @ 250VAC

W Series 4 & 6 Tumbler

- Contact rating: 4A @ 125VAC; 2A @ 250VAC

Y Series 4, 5 & 6 Tumbler

- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC

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Pushbutton Switches



Fig. 1



Fig. 2

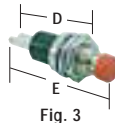


Fig. 3



Fig. 4

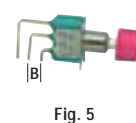


Fig. 5

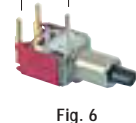


Fig. 6



Fig. 7



Fig. 8



Fig. 9

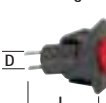


Fig. 10



Quantity SAVE

Fig. 11



Fig. 12

Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing				
							A"	B"				1	10	100	500	1000
315432CG	R13-23A-R	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.29	\$1.20	\$0.99	\$0.92	\$0.87
315483CG	R13-23B-R	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.19	.99	.92	.87
315441CG	R13-23A-B	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315491CG	R13-23B-B	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315459CG	R13-23A-BL	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	\$1.29 1.15	1.01	.85	.78	.59
315504CG	R13-23B-BL	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	\$1.29 1.10	.99	.84	.67	.51
315467CG	R13-23A-W	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	\$1.29 1.10	.99	.84	.67	.51
315512CG	R13-23B-W	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	\$1.29 1.10	.99	.84	.67	.51
315475CG	R13-23A-Y	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	\$1.29 1.10	.99	.84	.67	.51
315521CG	R13-23B-Y	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	\$1.29 1.10	.99	.84	.67	.51
315598CG	R13-40A-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.35 1.13	1.02	.87	.70	.53
315619CG	R13-40B-R	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.59	1.45	1.33	1.21	1.13
315580CG	R13-40A-B	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.35	1.23	1.10	.99	.93
315601CG	R13-40B-B	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	\$1.59 1.32	1.19	1.01	.81	.61
26622CG	MS102	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.55	.50	.45	.35	.29
26649CG	MS103	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.55	.50	.42	.34	.26
315643CG	R13-81-R	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.45	1.32	1.19	1.06	.94
315635CG	R13-81-B	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Black	1.45	1.32	1.19	1.05	.94
154879CG	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.99	1.89	1.79	1.69	1.59

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RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

JAMECO ValuePro

Pushbutton Switches (Continued)

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Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing				
							A"	B"				1	10	100	500	1000
71642CG	SWB210	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	\$2.19	\$1.99	\$1.78	\$1.60	\$1.39
202999CG	BB16	7	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	0.1A @ 28VAC	Solder right angle	White	1.18	1.06	.90	.72	.54
121304CG	CK8121	8	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28062CG	PB126	8	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
355451CG	J1881	9	2*	3/8"	SPST on-(off) Alt†	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	White	1.19	1.07	.91	.73	.57
355469CG	J1882	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	Red	1.09	.98	.83	.74	.66
174414CG	R13-510A	10	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69

Other Manufacturers

154878CG	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	\$1.79	\$1.61	\$1.37	\$1.16	\$.87
200774CG	TP12SHBAQE	7	3	7/32"	SPDT off-(on)	.32 x .20 x .33	.20	.10	1A @ 120VAC	PC right angle	Black	4.79	4.35	3.65	2.75	1.99
22200CG	J1881	11	2*	3/8"	SPST on-off, Alt†	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.09	.98	.83	.67	.50
22218CG	J1882	11	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	.99	.88	.79	.71	.62
307889CG	DS133	12	2	29/64"	SPST off-(on)	1.03 x .56 x .46	—	—	10A @ 125VAC	Solder Lugs	Black	4.15	3.73	3.17	2.54	1.90

† Alt = alternate action

* Lead wires

Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Miniature Pushbutton Switches

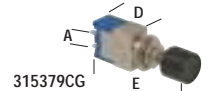
• 6A@125V or 3A@250V

• Epoxy sealed

• Material: Alkyd base (UL94V-0), stainless steel cover

CULUS

CS



Part No.	Cross Ref. No.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (D" x E")	Lead Spacing		Contact Rating (A @ VAC)	Terminal Type	Button Color	Pricing				
						A"	B"				1	10	100	500	1000
315395CG	PA101A1-B/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	\$2.79 2.45	\$2.21	\$1.87	\$1.50	1.12
315387CG	PA101A1-R/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.79	2.53	2.28	2.05	1.93
315379CG	PA102A1-B/BL	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	2.89	2.63	2.37	2.14	1.99
315408CG	PA102A1-R/BL	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	\$2.89 2.45	2.20	1.87	1.50	1.12

Other Manufacturers

447072CG	TP32Y00300501	3	1/4"	SPST on-on	0.7 x 0.8	.11	—	0.4 @ 20	Solder	Black	\$2.59	\$2.37	\$2.13	\$1.90	\$1.75
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† Sub miniature

Blue Part No. = Limited Quantity Available

Switchcraft® Button-Switch® & Cord-Switch®

297300CG: Button-Switch®

- SPST-on (on) • Color: black • Mounting hole size: .469" • Panel thickness: .297" max.
- Rating: 250mA, 30W maximum, AC, non-inductive load • Compatible with P/N 297502CG

297502CG: Cord-Switch®

- Copper alloy plated housing and switch bushing • Maximum cable side diameter: .375"
- SPST-on (on) red pushbutton switch (same rating as P/N 297300CG) • Plastic insulation

Part No.	Product No.	Description	1	10	25
297300CG	913	Button-switch	\$2.55	\$2.36	\$2.23
297502CG	ED903	Cord-switch	10.49	8.55	8.43



Switch Grab Bags

18235CG: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches

135378CG: 1 lb. (approx. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches



Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235CG	GB165	0.4	\$8.75	\$7.69
135378CG	GB165LB	1.0	18.95	16.95

GC

Standard Pushbutton Switches

- Typical applications: computer equipment & peripherals, telecommunications, networking equipment, instrumentation, detection, medical & test equipment
- Mounting hardware included

Part No.	Product No.	Fig.	Mounting Hole Dia.	Type () Momentary	Key Contact Rating	Terminal Type	Button Color/Material	Actuator length	Pricing		
									1	10	100
621907CG	35-3425	1	0.50"	SPST on-off	10A @ 125VAC	Screw	Chrome metal	0.415"	\$5.15	\$4.70	\$4.28
621915CG	35-3427	1	0.50"	SPST NO (on)-off	15A @ 125VAC	Screw	Chrome metal	0.415"	4.25	3.90	3.57
621923CG	35-3429	1	0.50"	SPST NC on-(off)	15A @ 125VAC	Screw	Chrome metal	0.415"	4.89	4.43	4.07
621958CG	35-3454	2	0.50"	SPST on-(off)	10A @ 125VAC	6" lead wires	Chrome metal	0.41"	4.69	4.24	3.87
621966CG	35-3457	3	0.50"	SPST NO (on)-off	6A @ 125VAC	Screw	Black plastic	0.212"	2.69	2.47	2.26
621974CG	35-3458	3	0.50"	SPST NC (off)-off	3A @ 120VAC	Screw	Red plastic	0.212"	2.89	2.65	2.42
622002CG	35-3484	4	0.641"	SPST NO off-(on)	25A @ 6VDC	Screw	Black chrome	0.49"	10.09	9.22	8.41
622011CG	35-3490	1	0.50"	SPDT on-off	15A @ 125VAC	Screw	Chrome metal	0.415"	6.95	6.36	5.81
616850CG	35-420	5	0.50"	SPST NO off-(on)	3A @ 250VAC	Solder eyelet	Red plastic	0.354"	1.25	1.13	1.03
616868CG	35-421	6	0.50"	SPST NO off-(on)	3A @ 250VAC	Solder eyelet	Red plastic	0.244"	1.65	1.49	1.37
616876CG	35-422	6	0.50"	SPST on-off	3A @ 250VAC	Solder eyelet	White plastic	0.354"	4.55	3.96	3.41
616884CG	35-423	—	0.687"	SPST NO off-(on)	3A @ 125VAC	Solder eyelet	Red plastic	0.125"	1.79	1.65	1.54
616905CG	35-432	—	0.50"	SPST NC on-(off)	6A @ 125VAC	Solder eyelet	Chrome metal	0.468"	8.25	7.55	6.96
616930CG	35-449	—	0.50"	SPST on-off	6A @ 125VAC	Screw	Chrome metal	0.415"	7.05	6.17	5.37
616964CG	35-455	7	1.02"	SPST on-off	16A @ 125VAC	0.250" QC	Red plastic	0.157"	5.95	5.34	4.78
616972CG	35-457	5	1.02"	SPST NO (on)-off	16A @ 125VAC	0.250" QC	Red plastic	0.157"	5.75	4.97	4.29
616981CG	35-458	—	0.50"	SPST NC (off)-off	3A @ 120VAC	Screw	Red plastic	0.212"	9.35	8.12	7.04
616999CG	35-459	5	1.02"	SPST NO (on)-off	16A @ 125VAC	0.250" QC	Black plastic	0.157"	5.19	4.59	4.07
617043CG	35-473	8	0.465"	SPDT NO/NC	15A @ 250VDC	0.250" QC	Red plastic	0.283"	6.15	5.65	5.19

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Color Code Legend
 New Sale Lower\$ QtySave



Mini Pushbutton Switches

- Typical applications: computer equipment & peripherals, telecommunications, networking equipment, instrumentation, detection, medical & test equipment
- Mounting hardware included



Fig. 9

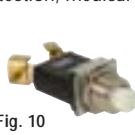


Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Part No.	Product No.	Fig.	Mounting Hole Dia.	Type () Momentary	Key Contact Rating	Terminal Type	Button Color/Material	Actuator length	Pricing		
									1	10	100
621982CG	35-3460	9	0.375"	SPST on-off	6A @ 125VAC	6" lead wires	Brass canopy	0.36"	\$2.89	\$2.65	\$2.42
621991CG	35-3471	10	0.50"	SPST NC on-(off)	2A @ 120VAC	Screw	White round	0.465"	2.75	2.53	2.32
616729CG	35-400	11	0.172"	SPST NO off-(on)	0.5A @ 125VAC	Solder lug	Black pin	0.175"	4.75	4.20	3.70
616737CG	35-402	12	0.172"	SPST NC on-off	0.25A @ 125VAC	Solder lug	Black pin	0.175"	7.39	6.56	5.77
616745CG	35-404	13	0.250"	SPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.99	4.50	4.05
616753CG	35-405	13	0.250"	DPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	6.35	5.57	4.83
616761CG	35-406	14	0.343"	SPST on-off	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.55	3.95	3.43
616770CG	35-408	14	0.343"	SPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.09	3.69	3.33
616788CG	35-409	14	0.343"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black round	0.315"	3.75	3.36	3.02
616809CG	35-411	15	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black round	0.157"	.99	.87	.77
616817CG	35-412	16	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black square	0.157"	3.05	2.64	2.29
616825CG	35-413	17	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black rectangle	0.157"	3.05	2.64	2.29
616833CG	35-415	18	0.5"x0.437"	SPST NO (on)-off	1A @ 125VAC	0.187" QC	Red square	0.10"	1.45	1.27	1.11
616841CG	35-417	17	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Red rectangle	0.157"	3.05	2.64	2.29
616948CG	35-450	19	0.25"	SPDT NC on-(off)	1A @ 120VAC	Solder eyelet	White pin	0.218"	6.25	5.53	4.88
616956CG	35-451	20	0.25"	DPDT NC on-(on)	1A @ 120VAC	Solder eyelet	White pin	0.218"	8.45	7.30	6.25
617051CG	35-475	21	0.50"	SPST NO (on)-off	0.5A @ 125VAC	6.3mm tab	Black round	0.39"	4.65	4.34	4.01
617115CG	35-491	22	—	DPDT (on)-(on)	0.5A @ 100VAC	PCB solder	Black button	0.406"	3.55	3.41	3.28
617705CG	35-852	23	0.375"	SPST on-off	6 @ 125VAC	6" lead wires	Black canopy	0.344"	2.55	2.40	2.27



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22



Fig. 23



Lighted Pushbutton Switches

- Typical applications: instrumentation, networking equipment, telecommunications, detection, test equipment

Part No.	Product No.	Fig.	Mounting Hole Dia.	Type () Momentary	Key Contact Rating	Terminal Type	Button Color/Material	Actuator length	Pricing		
									1	10	100
621894CG	35-3412	24	0.638"	SPDT NC/NO	4A @ 250VAC	Solder eyelet	Rectangle	0.196"	\$21.89	\$19.98	\$18.25
621931CG	35-3432	25	0.638"	SPDT NC/NO	4A @ 250VAC	Solder eyelet	Rectangle	0.196"	14.45	13.21	12.02
617078CG	35-480	26	1.1"x0.88"	SPST on-off	10A @ 125VAC	0.250" QC	Red square	0.36"	7.59	6.94	6.34
617094CG	35-484	26	1.1"x0.88"	SPST on-off	10A @ 125VAC	0.250" QC	Green square	0.36"	7.59	6.94	6.34
617107CG	35-490	27	0.563"	DPDT on-off	8A @ 125VAC	PCB solder	Round orange	0.75"	22.79	21.51	20.26



Fig. 24



Fig. 25



Fig. 26



Fig. 27

Lens and Button Accessories

Part No.	Product No.	Fig.	Description	1	10	100
621940CG	35-3435	28	Green square lens and bulb	\$2.75	\$2.52	\$2.31

* This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Fig. 28



Pushbutton Switches

- Contact rating: 3A @ 125VAC • 2-pin • Lead type: solder terminal
- 164566CG/164638CG: Contact rating: .5A @ 125VAC
- 164582CG/164671CG: Contact rating: 1A @ 125VAC
- 106112CG: Contact rating: 3A @ 110VAC

Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164494CG	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	\$2.09	\$2.05	\$1.97	\$1.88
164486CG	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.15	2.05	1.95	1.85
164523CG	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	1.95	1.87	1.81	1.74
164558CG	DS471R	3	SPST off-(on)	1.2"L x .75"Sq.	.160"	.387"	Red	2.39	2.29	2.19	2.09

Standard Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164566CG	MS402R	4	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	\$1.15	\$1.14	\$1.10	\$1.06
164582CG	DS016B	5	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.59	1.54	1.48	1.42
164638CG	MS3120R	6	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
164671CG	NS801MOB	7	SPST off-(on)	1.1"L x .59"Dia.	.213"	.468"	Black	2.45	2.05	1.94	1.77
106112CG	DS412R	8	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.05	1.03	.99	.98

* Solder lugs



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Pushbutton Switches

IP and AV Series Panel Mount Pushbutton Switches

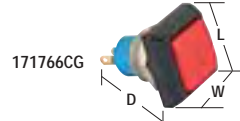
171758CG / 171766CG: IP Series

- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC
- Mounting hole: 1/2"Dia.
- Dielectric strength: 1500Vrms min.
- Mechanical life: 1,000,000 cycles min.

171774CG: AV Series

- Initial contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Mounting hole: 3/4"Dia.
- Dielectric strength: 1000Vrms min.

Part No.	Product No.	Pins	Type () Momentary	Dimensions			Lead Spacing	Contact Rating	Terminal Type	Pricing			
				L	W	D				1	10	100	250
171758CG	IPR3SAD2	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	\$10.39	\$9.35	\$8.45	\$7.49
171766CG	IPC3SAD6	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	10.39	9.35	8.45	7.49
171774CG	AV191003C900	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	11.95	10.84	9.75	8.79



Panel Mount/Line Interrupt Pushbutton Switches

- UL 94V-0 flammability rating

E65/E68/E69/E75/E77/E78/E79/

F68/F69/F78/F79 Series Snap-In Panel Mount

- UL1054 rating: E65/E75: 16A, 125/250VAC; E68/E78/F68/F78: 0.1A, 125VAC; E69/E79/F69/F79: 10A, 125/250VAC; E77: 0.1A, 125VAC

- Long-life coil spring, snap-action mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6,000 cycles min.

F81/F82/F83 Series Line Interrupt

- UL1054 rating: F81: 10A, 125/250VAC; F82: 16A, 125/250VAC; F83: 0.1A, 125/250VAC

- Double make/break shorting bars
- High overtravel
- Temp. rating: -25°C to +85°C
- Snap-in panel mounting

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



E Series



F Series

See Our Complete Panel Mount & Line Interrupt Pushbutton Offering at www.Jameco.com/Prod/CherryPB

Alcoswitch Pushbutton Switches

MPA Series • Wire Lug or PC tails/Panel mount

- 6A @ 125VAC

MPB Series • Subminiature/Panel mount

- 3A @ 125VAC

MPE Series • Splashproof/Wire lug/Panel mount

- 6A @ 125VAC

MPG Series • Mustang/Wire lug or PC tails

- 6A @ 125VAC

MPS Series • Snap action/Wire lug

- 3A @ 115VAC

MSPM Series

- Long Life/Magnetic reed
- 1.0VA optimum

MSPF Series

- Front and rear entry mounts
- 0.5A @ 125VAC

MSP/MSPS Series • 2.5mm travel/Panel mount

- (MSP) 3A @ 125VAC
- (MSPS) 3A @ 125VAC

Illuminated Command Series

- Selector & keylock switches
- Pilot Light indicators and lens sets

Pushbutton Accessories also available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Pushbutton Offering at www.Jameco.com/Prod/AlcoPB



Pushbutton Switches

30/32 Series • SPST

- 1A @ 115VAC

39 Series

- 1/4" butt contact
- 0.5A @ 115VAC

4000 Series

- Wiping contact
- 3A @ 115VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Grayhill Pushbutton Offering at www.Jameco.com/Prod/GrayhillPB



8020 Series Snap-Acting Momentary Pushbutton Switches

- Positive tactile feel
- Typical applications: instrumentation, computer peripherals, telecommunications equipment
- Contact form: SPDT ON-MOM
- Electrical life: 60,000 make and break cycles @ full load
- Cap and frame: nylon, black
- Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA
- Switch support: brass or steel, tin plated
- Common contact & all terminals: copper alloy with gold plate over nickel
- N.O. & N.C. contacts: 8121 series – coin silver with gold plate over nickel; 8125 series – copper alloy with gold plate over nickel
- Plunger: glass filled nylon or glass filled polyester (UL94V-0)
- Plunger height: 0.218"
- Length: 1.03"
- Dielectric strength: 1,000Vrms
- Terminal seal: epoxy
- Insulation resistance: 1,000MΩ min.
- Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
- Housing: stainless steel



Includes: Nut, locking ring, & lockwasher

Part No.	Product No.	Contact Rating	Contact Plating	Bushing	Terminal	Description	1	10	100	500
576350CG	8121J81Z3GE22	1A @ 120VAC/28VDC	Gold over silver	—	Quick connect	Snap-in w/ frame	\$7.89	\$7.22	\$6.87	\$6.52
575744CG	8121J83ZGE22	1A @ 120VAC/28VDC	Gold over silver	—	Solder lug	Snap-in w/ frame & flush cap	7.75	7.07	6.06	4.76
575752CG	8121J85ZGE22	1A @ 120VAC/28VDC	Gold over silver	—	Solder lug	Snap-in w/ frame & LED	9.95	9.08	7.78	7.05
575664CG	8121SD2GE	1A @ 120VAC/28VDC	Gold over silver	0.280"H, keyway	—	Standard plunger	7.35	6.51	5.50	4.18
576000CG	8121SHZGE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger	7.35	6.96	5.48	4.79
576376CG	8125J81ZBE22	0.4VA @ 20VAC/VDC	Gold	—	Solder lug	Snap-in	5.79	5.51	4.34	3.80
575613CG	8125J82ZBE22	0.4VA @ 20VAC/VDC	Gold	—	Solder lug	Snap-in w/ frame for LED	5.89	5.61	4.42	3.86
575939CG	8125SD9ABE	0.4VA @ 20VAC/VDC	Gold	0.280"H, keyway	Right angle PCB	Standard plunger	5.49	5.21	4.11	3.59
576018CG	8125SHCBE	0.4VA @ 20VAC/VDC	Gold	0.250"H, flat	PC terminal	Standard plunger	5.15	4.87	3.83	3.35
575998CG	8125SHZBE	0.4VA @ 20VAC/VDC	Gold	0.250"H, flat	Solder lug	Standard plunger	5.05	4.77	3.76	3.29

UL/CSA Versions

596799CG	U811SH2GE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, SPDT ON-MOM	\$9.25	\$8.77	\$6.78	\$5.48
596801CG	U821SH2ZGE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, DPDT ON-MOM	11.25	10.31	8.24	6.44

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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



8060 Series Alternate Action and Momentary Pushbutton Switches

- Long travel
- Long life contact design
- Typical applications: instrumentation, computers & peripherals, telecommunications & networking equipment
- Length: 1.185" • Terminals: solder lug
- Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC
- Electrical life: 50,000 make & break cycles @ full load
- Contact resistance: below 20mΩ typical initial @ 2.4VDC, 100mA
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS
- Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
- Plunger: glass filled nylon or glass filled polyester 0.710"H w/ 0.375"Dia. cap
- Bushing: brass or zinc, nickel plated 0.3"H flat, high torque
- Cap and frame: nylon, black • Housing: stainless steel
- Switch support: brass or steel, tin plated • Terminal seal: epoxy

Includes: Nut, locking ring, and lockwasher

Part No.	Product No.	Contact Plating	1	10	100
575824CG	8161SHZGE2	Gold over silver	\$5.55	\$5.08	\$4.34
575795CG	8161SHZQE2	Silver	5.29	4.89	4.14



8500 Series Subminiature Pushbutton Switches

- Typical applications: detection, telecommunications networking equipment, computers & peripherals
- Contact form: SPST OFF-MOM • Length: 1.047"
- Contact rating: 1A @ 120VAC or 28VDC
- Electrical life: 250,000 actuations @ full load
- Contact resistance: below 3mΩ typical initial @ 2-4VDC, 100mA • Insulation resistance: 1,000MΩ min.
- Case: glass filled phenolic or diallyl phthalate (UL94V-0)
- Cap & frame: nylon, black • Bushing: brass, nickel plated
- Contacts: coin silver, silver plated • Button color: black
- Terminals: copper alloy, silver plated • Terminal seal: epoxy

Includes: Nut and lockwasher

Part No.	Product No.	Plunger	Terminals	1	10	100
576296CG	8531MCQE2	0.150"H	PC Terminal	\$4.25	\$3.89	\$3.33
576325CG	8531MZQE2	0.150"H	Solder Lug	4.19	3.80	3.26
576093CG	8531TZQE2	15/32" actuator bushing	Solder Lug	4.75	4.31	3.69



E010 Series Sealed Momentary Pushbutton

- Process sealed, withstands soldering & cleaning
- Long life contact design
- Typical applications: instrumentation, telecommunications & networking equipment, computers & peripherals
- Length: 1.322" • Contact form: SPDT ON-MOM
- Contact rating: 4A @ 125VAC/28VDC
- Electrical life: 40,000 make & break cycles @ full load
- Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA • Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS
- Case & bushing: glass filled nylon 6/6 (UL94V-0)
- Plunger: glass filled nylon or glass filled polyester (UL94V-0) with internal o-ring seal, 0.222"H • Switch support: brass or steel, tin plated
- Switch support retainer: stainless steel
- Center contacts & all terminals: coin silver, silver plated or copper alloy with gold over nickel • Terminal seal: epoxy

Includes: Nut, locking ring and lockwasher

Part No.	Product No.	Plunger	Terminals	1	10	100
581933CG	E112SD1V3BE	0.460"H V-bracket	Gold	\$6.49	\$6.10	\$4.74



8700 Series Overtravel Pushbutton Switch

- Typical applications: telecommunications, high-end instrumentation, medical & test equipment, detection
- Contact form: SPST OFF-MOM
- Length: 1.65" • Plunger height: 0.390"
- Continuous plunger seal • Heavy duty brass plunger
- Electrical life: 100,000 actuations @ full load
- Contact resistance: below 30mΩ typical initial @ 2-4VDC, 100mA
- Insulation resistance: 10,000Ω min.
- Dielectric strength: 1,000VRMS
- Case: diallyl phthalate (UL94V-0) • Plunger: PBT polyester, black
- Bushing: brass, nickel plated • Terminal seal: epoxy

Includes: Nut and lockwasher

Part No.	Product No.	Contact Rating	Terminals	1	10	100
576940CG	8732S1HZQE	0.4VA@20VAC/VDC	Solder lug (gold)	\$5.15	\$4.92	\$4.61



EP Series Sealed Tiny Pushbutton Switches

- Typical applications: telecommunications & networking equipment, computers & peripherals, instrumentation & control
- Sealed against solder & cleaning processes
- Length: 0.872" • Contact form: SPDT ON-MOM
- Electrical life: 30,000 make & break cycles @ full load
- Insulation resistance: 1,000MΩ min.
- Switch support: brass, tin plated
- Case & bushing (unthreaded): glass filled nylon 6/6 (UL904V-0); surface mount – high temp. glass filled nylon 4/6 (UL94V-0)
- Plunger: thermoplastic polyester or glass filled nylon (UL04V-0); surface mount – high temp. glass filled nylon 4/6 (UL94V-0) 0.215"H
- Snap-fitting actuator accepts standard caps
- Contact rating: 0.4VA @ 20VAC/VDC
- Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA
- Dielectric strength: 1,000VRMS
- Contacts & terminals: copper alloy • Terminal seal: epoxy

Part No.	Product No.	Plunger/Bushing	Contacts	Description	1	10	100	500
584093CG	EP12FPD1ABE	Flush plunger, unthreaded bushing	PC terminals, gold	Right angle	\$5.55	\$5.12	\$4.06	\$3.20
584157CG	EP12SD1V3BE	0.215"H plunger, unthreaded bushing	Gold	Vertical mount, V-bracket	6.45	5.12	4.06	3.20
584106CG	EP12SD1ABE	0.215"H plunger, unthreaded bushing	PC terminals, gold	Right angle	5.69	5.38	4.06	3.58
584122CG	EP12SD1CBE	0.215"H plunger, unthreaded bushing	PC terminals, gold	Standard	5.35	5.06	3.82	3.37



TP Series Tiny Pushbutton Switches

- Typical applications: telecommunications & networking equipment, computers & peripherals, instrumentation & control
- Electrical life: TP12 – 30,000 ; TP21 – 60,000 make & break cycles @ full load
- Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA
- Dielectric strength: 1,000VRMS
- Plunger: thermoplastic polyester (UL94V-0), 0.155"H
- Housing: stainless steel
- Insulation resistance: 1,000MΩ min.
- Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
- Bushing: brass, nickel plated; 0.220"H flat
- Switch support: brass, tin plated • Terminal seal: epoxy

Includes: Nut, locking ring, & lockwasher

Part No.	Product No.	Contact Rating	Contact Form	End Contacts	Center Contact & Terminals	Description	1	10	100	500
596588CG	TP12SH9ABE	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Right angle, PC terminal	\$6.69	\$6.39	\$6.11	\$3.29
596596CG	TP23SH9AVBE	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Vert. right angle, PC terminal	6.69	6.39	6.11	3.29
596617CG	TP12SH9V3BE	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Vert. mount, V-bracket	6.65	6.36	6.08	3.10
596625CG	TP12SHZQE	1A @ 120VAC/28VDC	SPDT ON-MOM	Coin silver, silver plated	Copper alloy silver plated	Solder lug	6.25	5.95	5.69	3.80
596633CG	TP21SHZQE	1A @ 120VAC/28VDC	DPST OFF-MOM	Coin silver, silver plated	Copper alloy silver plated	Solder lug	9.55	9.12	8.72	5.29



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GP Series Sealed Ultra-miniature Pushbuttons

- Typical applications: telecommunications & networking equipment, computers & peripherals products, instrumentation
- Ultra-miniature design saves space
- Process compatible, withstands most soldering and washing design
- Sealed construction – internal o-ring & epoxy base
- Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA • Contact rating: 0.4VA @ 20VAC/VDC
- Mechanical & electrical life: 40,000 make & break cycles @ full load
- Insulation resistance: 1,000MΩ min. • Dielectric strength: 500Vrms
- Housing and base: glass filled nylon 4/6 (UL94V-0)
- Actuator: glass filled nylon 4/6 (UL94V-0) with internal o-ring seal
- Switch support: brass, tin plated
- Movable contact: copper alloy with gold over nickel
- Stationary contacts: (thru-hole models) copper alloy with gold over nickel
- Terminals: copper alloy with tin-lead over nickel • Terminal seal: epoxy/urethane



584691CG

Part No.	Product No.	Contact Form	Terminals	1	10	100
584691CG	GP11MCKE	SPST OFF-MOM	PC terminals	\$4.75	\$4.34	\$3.72
584721CG	GP12MCKE	SPDT ON-MOM	PC terminals	5.19	4.75	4.06

KM Series Subminiature Pushbutton

- Typical applications: alarm systems, computers, detector switch applications
- Reliable contact design • Length: 1.27"
- Contact form: SPST OFF-MOM • Actuator diameter: 0.122"
- Bushing/mounting style: 1/4-40 thread, 0.225"H
- Contact rating: 250mA @ 125VAC/VDC
- Electrical life: 10,000 actuations min. @ full load
- Contact resistance: below 30mΩ typical initial @ 2-4VDC, 100mA
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000Vrms
- Housing and bushing: nylon 6/6, black (UL94V-2)
- Actuator: nylon 6/6 (UL94V-2) natural, internal o-ring seal
- Movable contact: silver
- Stationary contacts & terminals: copper, silver plated
- Return spring: music wire, phosphor coated
- Mounting nut: brass, nickel plated • Terminal seal: epoxy



Part No.	Product No.	Terminals	1	10	100
583171CG	KM1101RR05Q	0.110" QC	\$2.35	\$2.11	\$1.81

PN Series Alternate & Momentary Action Pushbutton Switch

- Typical applications: computers & peripherals, instrumentation & measurement equipment, non-power on-off switch applications
- Contact rating: 200mA @ 30VDC
- Electrical life: 10,000 make & break cycles @ full load
- Mechanical life: 10,000 on/off cycles
- Contact resistance: 50mΩ max. initial, 100mΩ max. @ end of full life
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC min.
- Movable contacts: silver plated phosphor bronze
- Frame: tin plated steel • Actuator: polyacetal
- Base: laminated phenolic • Terminals: silver plated brass
- Return spring: music wire • Detent spring & spring plate: phosphor bronze
- Return spring & retainer ring: nickel plated steel • Terminal seal: epoxy



Part No.	Product No.	Contact Form	500	2500	10000
588449CG	PN11SHNA03QE	SPDT MOM non-shorting	\$.75	\$.72	\$.69



Pushbutton Switches

- 8600 Series Microminiature • NE-18 Series Mains/Power
- PHA Series Short Stroke
- E20 Series Sealed Snap-Acting Momentary
- Lumotast® 75 Series Illuminated Momentary & Latching



E20 Series

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Alcoswitch Oil-Tight Pushbutton Switches

Reliant 22 series

- 6A @ 600VAC
- Metal and plastic bushings

RM/RT Series

- 22mm/momentary

SR Series

- Pilot light/full voltage



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Alcoswitch Tiny Pushbutton Switches

TP Series

- Gold: 0.4VA Max. @ 20VDC; Silver: 1A @ 125VAC
- Straight or right angle
- Single or dual actuators
- Threaded or unthreaded



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Hardware Accessories for C&K Pushbutton Switches

Snap-In Frames

- Color: black



Fig. 1



Fig. 2

For 7000/8020/8500/E/E010/E020/TP Series
J50/J60/J80/J90 Actuators (Fig. 1)

Part No.	Product No.	Panel Thickness	1	10	100
578056CG	432602263	0.062" ..	\$.66	\$.64	\$.63
578064CG	432702263	0.090" ....	.66	.64	.63

For 7000/E Series, J1/J2 Actuators (Fig. 2)

Part No.	Product No.	Panel Thickness	1	10	100
578099CG	452802263	0.090" ..	\$.39	\$.368	\$.341
578072CG	452602263	0.125" ....	.39	.368	.341

Toggle Caps

For 7000/9000/E Series

- Height: 0.383"

578646CG

Part No.	Product No.	Color	1	10	100
578620CG	896801000	White	\$.51	\$.486	\$.42
578646CG	896803000	Red51	.501	.488

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Caps for .122"Dia. Switch Plunger

.310"Dia. Pushbutton Caps
for 8020/8060/E010/E020/
KM11/L Series

Part No.	Product No.	Color	1	10	100
578574CG	801806000	Green	\$.72	\$.69	\$.65
578540CG	801801000	White .....	.71	.68	.61
578558CG	801802000	Black .....	.33	.315	.297
578566CG	801803000	Red .....	.71	.68	.64

.375"Dia. Pushbutton Caps
for 8020/8060/E010/E020/
KM11/L Series

Part No.	Product No.	Color	1	10	100
578435CG	752701000	White	\$.39	\$.368	\$.341
578443CG	752702000	Black .....	.33	.315	.306
578451CG	752703000	Red .....	.53	.504	.475

.395"Dia. Pushbutton Cap
for 8020/8050/E010/
E020/L Series

Part No.	Product No.	Color	1	10	100
578591CG	894102000	Black	\$.71	\$.68	\$.61

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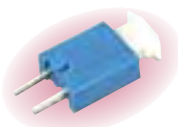


OMRON PCB Plunger Switch

Use in Place of Shorting Block

- SPST (on/off)
- Contact rating:
50mA @ 24VDC
- Non-removable
plunger
- Size: 0.2"W x 0.1"D x 0.38"H
- Lead length: 0.1"L
- 10 piece minimum

Quantity SAVE



Part No.	Description	10	100	1000
172700CG	Plunger switch	\$.10	\$.085	\$.064

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If you're not completely
 satisfied with your purchase,
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 refund or exchange.
 Details on page 343.



Slide Switches



ES Series



GS Series



L Series



S Series



TS Series



V Series

1000 Series Miniature

- Epoxy terminal seal – compatible with bottom-wash cleaning
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 6A @ 120VAC/28VDC; 3A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +65°C
- Insulation resistance: 1000MΩ min.

ES Series Sealed Tiny

- Reliable contact design ensures long electrical life
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Insulation resistance: 1000MΩ min.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 500V_{RMS} min.

GS Series Sealed Ultraminiature

- Ultraminiature design saves PCB space
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Dielectric strength: 500V_{RMS} @ sea level
- Operating temp.: -30°C to +85°C
- Insulation resistance: 1000MΩ min.

L Series Miniature

- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC; 0.5A @ 125VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Enclosed housing
- Positive detent
- Insulation resistance: 1000MΩ min.

S Series Standard

- Contact rating: 6A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 15A @ 125VAC; 6A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Enclosed housing
- Insulation resistance: 1000MΩ min.

TS Series Tiny

- Reliable contact design ensures long electrical life
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 3A @ 120VAC/28VDC or 1A @ 120VAC/28VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +85°C
- Insulation resistance: 1000MΩ min.

V Series Power & Line Voltage Select

- Actuators with screwdriver slot
- Contact rating: 10.1A max. @ 125VAC; 4A @ 28VDC; 5A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -30°C to +85°C
- Insulation resistance: 1000MΩ min.

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Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch

- Alternate action double pole switch
- Contacts rated at 250VAC
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D

SALE



Part No.	Description	Current	1	10	100
174238CG	PC push button	8A	\$.94	\$.85	\$.78

PC Rocker Switch

- For mini-tower cases
- Contacts rated at 250VAC
- UL/CSA approved
- DPST
- Size: 0.9"L x 1.2"W x 1.4"D



Quantity SAVE

Part No.	Description	Current	1	10	100
127028CG	PC rocker	10A	\$2.95	\$2.50	\$1.87

JAMECO ValuePro Slide Switches

- Two mounting flanges
- Top actuation
- Nylon actuator
- Phenolic insulated



109170CG



161816CG



204142CG



202770CG

* 10 piece minimum

Part No.	Pins	Type	Description	Housing Material #	Dimensions			Lead Spacing		Contact Rating	Lead Length	Actuator Height	Pricing				
					L"	W"	D"	A"	B"				1	10	100	250	
109170CG	3	SPDT on-on	PC mount	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	\$0.31	.28	.24	.216	.162
161816CG	6	DPDT on-on	PC mount	Plastic	.38	.14	.13	.13	.11	0.1A @ 20VDC	.11"	.08"	.59	.49	.39	.292	

Other Manufacturers — Great Deals

Part No.	Pins	Type	Description	Housing Material	L"	W"	D"	A"	B"	Contact Rating	Lead Length	Actuator Height	1	10	100	250
204142CG	3	SPDT on-on*	PC mount	Plastic	.77	.40	.37	—	.19	2.0A @ 28VDC	.19"	.17"	\$.28	\$.16	\$.15	\$.13
202770CG	6	DPDT on-on	PC mount	Plastic	.35	.70	.30	.17	.20	0.1A @ 30VDC	.16"	.32"	*	.095	.087	.079

† Plastic — flanges * Side actuated # Plastic: 6/6 nylon; metal: steel zinc plated

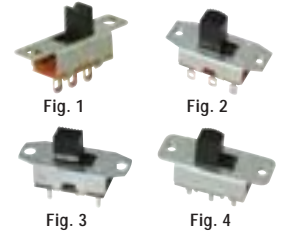
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Slide Switches

- Panel mount • Black plastic actuator

Part No.	Product No.	Fig.	Contact Form	Contact Rating	Terminal Type	1	10	100
621325CG	35-202	1	SPDT on-on	0.3A @ 30VAC	Solder lug	\$1.35	\$1.29	\$1.23
621333CG	35-204	2	DPDT on-on	0.3A @ 30VAC	Solder lug	1.35	1.24	1.13
621341CG	35-201	3	SPDT on-on	6A @ 125VAC	PCB lug	1.59	1.51	1.44
621472CG	35-222	4	DPDT on-on	6A @ 125VAC; 3A @ 250VAC	PCB lug	1.25	1.15	1.06
621481CG	35-242	2	DPDT on-on	11A @ 125VAC	Solder lug	1.65	1.56	1.48



Alcoswitch

Slide Switches

MM Series

- Initial contact resistance: 20mΩ max. • Contacts rated: 100mA @ 30VDC/peak AC
- Double-wipe contacts for low resistance

MHS Series

- Subminiature slides feature moving contact for positive wiping action
- Contact rating: Silver: 300mA @ 125VAC; Gold: 0.4VA @ 20VDC

MSS Series

- Compact PC board slide switches upright and right angle
- Silver contacts rated 300mA @ 125VAC

SS Series

- Contact rating: Gold: 0.4VA max. @ 20VDC; Silver: 100mA @ 30VDC
- Initial contact resistance: 30mΩ max. • Insulation resistance: 100MΩ min.

SE Series

- Contact rating: 0.4VA @ 20VDC • Initial contact resistance: 50mΩ max. • Dielectric strength: 500VAC for 1 min.

SLS Series

- Initial contact resistance: 30mΩ max. • Insulation resistance: 500MΩ min.
- Dielectric strength: 500VAC • Contact rating: 250mA @ 125VAC, 150mA @ 12VDC

TSS Series

- Pin spacing: 0.100" (2.54mm) on centers • Non-shorting, gold-plated contacts: 0.4VA max. @ 20VDC/peak AC

STS Series

- Initial contact resistance: 20mΩ max. • Wave solderable and washable
- PC mount units, bifurcated contacts rated 300mA @ 125VAC/30VDC

AS Series

- High temperature antistatic plastic • Withstand aqueous or solvent cleaning processes
- Auto insertable slides • Type ASE: extended actuator and Type ASF: DIP package available

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JAMECO ValuePro



Rocker Switches



	Cross			Type	Contact Rating	Mounting	Mounting	Terminal	Rocker	Rocker	Lead Space	Dimensions	Pricing			
Part No.	Ref. No.	Fig.	Pins	⌀ Momentary	(A @ VAC)	Hole	Type	Type	Color	Type	A" B"	(L"xW"xD")	1	10	100	
316451CG	R13-243A-02	1	2	SPST on-off	8 @ 125	.78"L x .28"W	Panel mnt	.187" quick conn.	Black	Rectangle	0.35 —	.83 x .37 x .85	\$1.39	\$1.17	\$0.99	\$0.74
316478CG	R13-243F-02	1	2	SPST (on)-off	8 @ 125	.78"L x .28"W	Panel mnt	.187" quick conn.	Black	Rectangle	0.35 —	.83 x .37 x .85		2.05	1.88	1.69
196154CG	R30NSA	2	2	SPST on-off	15 @ 125	1.07"L x .43"W	Panel mnt	.250" Quick conn.	Solid black	Rectangle	0.45 —	1.07 x .42 x .77		1.75	1.48	1.11
316013CG	R13-66A-B-02	3	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Black top	Rectangle	0.31 —	.83 x .59 x .47		.99	.86	.56
316021CG	R13-66A-R-02	4	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red top	Rectangle	0.31 —	.83 x .59 x .47		.99	.86	.56
316128CG	R13-73B-R-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red illum.	Rectangle	0.35 0.35	.83 x .59 x .87	\$1.49	1.25	1.06	.79
316136CG	R13-73B-Y-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Yellow illum.	Rectangle	0.35 0.35	.83 x .59 x .87	\$1.49	1.25	1.06	.79
316144CG	R13-73B-G-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Green illum.	Rectangle	0.35 0.35	.83 x .59 x .87	\$1.63	1.38	1.17	.88
316048CG	R13-66B-G-02	6	3	SPST on-off	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Green illum.	Rectangle	0.31 0.31	.83 x .59 x .47		1.19	1.02	.67
140531CG	CK7101	7	3	SPDT on-on	5 @ 120	—	PC mount	PC right angle	Solid black	Rectangle	0.15 —	.50 x .50 x .27		1.49	1.27	1.10
316056CG	R13-66C-B-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Solid black	Rectangle	0.31 0.31	.83 x .59 x .47		1.13	.92	.69
316064CG	R13-66C-R-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Solid red	Rectangle	0.31 0.31	.83 x .59 x .47		.99	.84	.63
316072CG	R13-66D-02	6	3	SPDT on-off-on	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Black (I-O-I)	Rectangle	0.31 0.31	.83 x .59 x .47	\$1.19	.99	.84	.63
316110CG	R13-73A2-B-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Solid black (I-O)	Rectangle	0.20 0.34	.83 x .59 x .87		1.69	1.58	1.42
316152CG	R13-73C-R-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red illum.	Rectangle	0.20 0.34	.83 x .59 x .87		2.05	1.88	1.69
316161CG	R13-73C-Y-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Yellow illum.	Rectangle	0.20 0.34	.83 x .59 x .87	\$2.05	1.32	1.12	.84
316179CG	R13-73C-G-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Green illum.	Rectangle	0.20 0.34	.83 x .59 x .87	\$2.25	1.32	1.12	.84

Other Manufacturers — Great Deals

140530CG	CK7101	7	3	SPDT on-on	5 @ 120	—	PC mnt. vert.	PC right angle	Black	Rectangle	0.15 —	.50 x .50 x .27	\$1.49	\$1.34	\$1.21
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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend
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Rocker Switches

Standard Appliance Rocker Switches



Part No.	Product No.	Fig.	Type () Momentary	Contact Rating (A @ VAC)	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Pricing		
										1	10	100
621561CG	35-3030♣	1	SPST on-off	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black w/ red on/off	Rectangle	\$2.19	\$1.92	\$1.68
622184CG	35-3600♣	2	SPST on-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	3.89	3.40	2.98
622192CG	35-3610♣	2	SPDT on-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	4.75	4.15	3.64
622205CG	35-3620♣	2	SPDT on-off-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	4.75	4.15	3.64
622213CG	35-3630♣	2	DPST on-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	5.49	4.79	4.18
622221CG	35-3640♣	2	DPDT on-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	5.95	5.19	4.53
622248CG	35-3660♣	2	DPST (on)-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	6.35	5.55	4.85
622256CG	35-3670♣	2	DPST (off)-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	6.35	5.55	4.85
622264CG	35-3680♣	2	DPDT (on)-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.55	6.61	5.79
622272CG	35-3690♣	2	DPDT (on)-off-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.55	6.61	5.79
622281CG	35-3695	2	DPDT (on)-off-(on)	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.59	7.02	6.52
622299CG	35-3710♣	2	SPDT on-on	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black	Rectangle	2.49	2.13	1.84
622301CG	35-3720♣	2	SPDT on-off	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black	Rectangle	2.49	2.13	1.84
622361CG	35-3760♣	3	SPST (on)-off	15 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	White	Rectangle	2.35	2.04	1.78
617211CG	35-620♣	4	DPST on-off	15 @ 125	0.866" x 1.102"	Panel mount	0.250" quick connect	Red w/ on/off	Rectangle	3.75	3.25	2.84
617238CG	35-640♣	5	SPDT on-on	16 @ 125	1.1" x 0.453"	Panel mount	0.250" quick connect	Black	Rectangle	2.55	2.22	1.96
617300CG	35-654♣	6	DPST on-off	20 @ 125	1.0" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	3.55	2.99	2.53
617473CG	35-695	2	SPDT (on)-off-(on)	16 @ 125	0.55" x 1.12"	Panel mount	0.250" quick connect	Black	Rectangle	4.25	3.52	2.93
617449CG	35-691♣	7	SPST on-off	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	2.15	1.80	1.52
617457CG	35-693♣	7	SPST on-off	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black w/ red on/off	Rectangle	2.15	1.90	1.71
617465CG	35-694♣	7	SPDT on-off-on	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	2.35	2.07	1.84

Lighted Mini Rocker Switches

Part No.	Product No.	Fig.	Type () Momentary	Contact Rating (A @ VAC)	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Pricing		
										1	10	100
617271CG	35-645♣	8	SPST on-off	10 @ 125	0.755" x 0.508"	Panel mount	Solder eyelet	Lighted red LED	Rectangle	\$5.15	\$4.67	\$4.29
617289CG	35-646	8	DPST on-off	10 @ 125	0.755" x 0.508"	Panel mount	Solder eyelet	Lighted red LED	Rectangle	6.05	5.28	4.63
617377CG	35-680♣	9	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted orange LED	Rectangle	5.89	4.46	3.24
617385CG	35-681♣	9	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted green LED	Rectangle	5.89	4.46	3.24
617393CG	35-682♣	8	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted red LED	Rectangle	6.49	5.07	3.77

Automotive/Marine Rocker Switches



Part No.	Product No.	Fig.	Type () Momentary	Contact Rating	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Pricing		
										1	10	100
622029CG	35-3500♣	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	\$6.85	\$5.95	\$5.20
622037CG	35-3505♣	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent green	Rectangle	6.85	5.95	5.20
622045CG	35-3510♣	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	6.85	5.95	5.20
622053CG	35-3515♣	10	SPST on-off	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	6.85	5.95	5.20
622061CG	35-3520♣	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	8.85	7.70	6.73
622070CG	35-3530♣	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	8.85	7.70	6.73
622088CG	35-3535♣	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	8.85	7.70	6.73
622096CG	35-3540♣	10	SPST (on)-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	7.05	6.15	5.39
622109CG	35-3550♣	10	SPST (on)-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	7.05	6.15	5.39
622117CG	35-3560♣	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	9.65	8.40	7.35
622125CG	35-3565♣	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent green	Rectangle	9.65	8.40	7.35
622133CG	35-3570♣	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	9.65	8.40	7.35
622141CG	35-3575♣	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	9.65	8.40	7.35
622150CG	35-3580♣	11	SPST on-off	15A @ 125VAC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	5.85	5.10	4.47
622168CG	35-3585♣	11	DPDT on-on	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	8.09	7.02	6.12
622176CG	35-3590♣	11	DPDT on-off-on	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	8.35	7.24	6.37

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Rocker Switches (Continued)

Miniature Rocker Switches

Part No.	Product No.	Fig.	Type Q Momentary	Contact Rating	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Pricing		
										1	10	100
617123CG	35-602	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	\$4.15	\$3.38	\$2.71
617131CG	35-603	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	5.15	4.15	3.33
617140CG	35-604	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	4.49	3.65	2.97
617158CG	35-605	13	SPST on-off	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red "O"	Rectangle	1.75	1.41	1.14
617166CG	35-606	13	DPDT on-on	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	2.19	1.78	1.44
617174CG	35-607	13	SPST on-off	11A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	1.79	1.44	1.17
617182CG	35-608	13	DPST on-off	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	2.25	1.80	1.44
617191CG	35-609	13	SPDT on-on	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	1.65	1.32	1.07
617203CG	35-615	14	SPDT on-on	4A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black	Rectangle	4.59	3.69	2.90
617246CG	35-642	15	SPST on-off	10A @ 125VAC	0.508" x 0.755"	Panel mount	0.250" quick conn.	Black w/ white "O"	Rectangle	3.45	2.89	2.44
617254CG	35-643	16	DPST on-off	16A @ 125VAC	0.483" x 1.021"	Panel mount	0.250" quick conn.	Black w/ white "O"	Rectangle	5.15	4.41	3.79
617297CG	35-648	17	DPDT on-on	10A @ 125VAC	0.887" x 0.756"	Panel mount	0.187" quick conn.	Black	Rectangle	4.55	4.19	3.88
617369CG	35-676	18	DPDT on-off-on	8A @ 125VAC	0.625" x 0.523"	Panel mount	Solder lug	Red	Rectangle	5.29	4.57	3.96

Lighted Appliance Rocker Switches



Part No.	Product No.	Fig.	Type Q Momentary	Contact Rating	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Pricing		
										1	10	100
622310CG	35-3730	19	SPST	16A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	\$3.05	\$2.66	\$2.33
622408CG	35-3790	20	SPST	15A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	3.39	2.98	2.60
617220CG	35-621	21	SPST	16A @ 125VAC	0.87" x 1.07"	Panel mount	0.250" quick conn.	125V neon w/ red lens	Rectangle	5.89	5.12	4.47
617318CG	35-655	22	DPST	20A @ 125VAC	1.00" x 1.125"	Panel mount	0.250" quick conn.	125V neon red	Square	5.65	4.57	3.64
617326CG	35-656	23	SPST	15A @ 125VAC	1.45" x 0.83"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	5.29	4.57	3.96
617406CG	35-684	24	DPST	10A @ 125VAC	0.453" x 1.189"	Panel mount	Solder	125V neon red	Rectangle	8.29	6.50	5.02
617414CG	35-686	25	DPST	20A @ 125VAC	1.18" x 0.87"	Panel mount	0.250" quick conn.	125V neon w/red indicator	Square	5.95	4.99	4.26
617431CG	35-689	20	SPST	15A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon red	Rectangle	3.79	3.30	2.89
617481CG	35-696	26	SPST	12A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	125V neon red	Rectangle	2.99	2.60	2.29
617334CG	35-660	27	SPST	10A @ 30VDC	0.55" x 1.125"	Panel mount	0.250" quick conn.	12V incandescent red	Rectangle	4.45	3.69	3.04
617351CG	35-664	28	SPST	15A @ 125VAC	0.453" x 1.10"	Panel mount	0.250" quick conn.	12V incandescent green	Rectangle	4.75	4.18	3.61
617422CG	35-688	28	SPST	15A @ 125VAC	0.453" x 1.10"	Panel mount	0.250" quick conn.	105/120V neon red	Rectangle	3.99	3.23	2.57



Rocker Switches

CR Series Power Rugged

- UL1054 rating: 20A, 125VAC; 16A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

FR Series Double Pole 12A Switching

- UL1054 rating: 12A, 125VAC/250VAC
- Temp. range: -20°C to +125°C (UL); -20°C to +55°C (VDE)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

GR Series Compact 15A Switching

- UL1054 rating: 15A, 125VAC; 10A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

LR Series Miniature High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

RR Series Round High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

PR Series Panel Mount Power

- UL1054 rating: 6A, 125VAC; 3A, 250VAC
- Smallest agency-approved, low profile
- Temp. range: 0°C to 100°C (VDE); -20°C to +65°C (UL)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

SR Series Miniature

- UL1054 rating: 10A, 125VAC; 6A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

TR Series Thin Power

- UL1054 rating: 16A, 125VAC/250VAC
- 16A switching in 11mm wide package
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

WR Series Double Pole Power

- UL1054 rating: 16A, 125VAC/250VAC
- Rugged construction for 2-pole, high-current applications
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.



GR Series

PR Series



FR Series

TR Series



RR Series

WR Series

See Our Complete Series of Cherry Rocker Switches Offering at www.Jameco.com/Prod/CherryRocker

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Color Code Legend			
New	Sale	Lower\$	QtySave



Rocker Switches



C Series Power

- Contact rating: 15A @ 125VAC; 10A @ 250VDC
- Insulation resistance: 1000MΩ min. • Positive detent
- Dielectric strength: 2500V_{RMS} @ sea level • Snap-in mounting

CA Series Power

- Contact rating: 15A @ 125VAC; 10A @ 250VDC
- Insulation resistance: 1000MΩ min. • Positive detent
- Dielectric strength: 1000V_{RMS} @ sea level • Cosmetic slimline detail

CR Series Round Single Pole Specialty

- Contact rating: 10A @ 125VAC; 6A @ 250VDC • Nice styling
- Dielectric strength: 1500V_{RMS} @ sea level • Insulation resistance: 100MΩ min.

D Series Miniature Snap-in Power

- Contact rating: 4A @ 125VAC; 2A @ 250VAC or 10A @ 125VAC; 5A @ 250VDC
- Insulation resistance: 1000MΩ min. • PC and quick connect terminals
- Dielectric strength: 1000V_{RMS} @ sea level • Low cost

DA Series Miniature Single Pole

- Contact rating: 16A @ 125VAC, 1/3HP; 10A @ 250VAC 1/2HP
- Insulation resistance: 100MΩ min. • Guards to prevent accidental actuation
- Dielectric strength: 1500V_{RMS} @ sea level

DF Series Power

- Power switching up to 16 A
- Contact rating: 16A @ 125/250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.
- Sub-panel and panel mounting
- Multi-position/multi-pole function

DM Series Miniature Power

- Contact rating: 3A @ 125VAC; 2A @ 250VAC or 10A @ 125VAC; 5A @ 250VAC
- Insulation resistance: 1000MΩ min. • Illuminated or non-illuminated
- Dielectric strength: 1000V_{RMS} @ sea level • Quick connect terminals

E Series Sealed Miniature, ET Series Sealed Subminiature and 7000 Series Miniature

- Sealed terminals prevent contamination during soldering
- Contact rating:
E Series: 0.4VA max. @ 20VAC/DC, 7.5A @ 125VAC/28VDC, 3A @ 250VAC, 5A @ 125VAC/28VDC, 2A @ 250VAC;
ET Series: 0.4VA max. @ 20VAC/DC;
7000 Series: 0.4VA max. @ 20VAC/DC or 5A @ 120VAC/28VDC; 2A @ 250VDC
- Insulation resistance: 1000MΩ min. • Operating temp.: -30°C to 85°C
- Dielectric strength: 1000V_{RMS} @ sea level

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See Our Complete C&K Rocker Switch Offering at www.Jameco.com/Prod/CKRocker

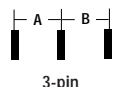


Standard Toggle Switches

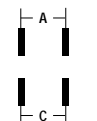
- Panel mount
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Medium duty
- Keyed plate indicates switch position

Includes: Mounting hardware and on/off plate

Blue Part No. = Limited Quantity Available



3-pin



2-pin or 4-pin



6-pin



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76241CG	SWM128	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.49	\$1.29	\$1.19	\$.99	\$.89
76232CG	SWM125	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	1.75	1.59	1.45	1.29	1.15
317817CG	R13-25A1-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	1.35	1.06	.94	.84	.77
317833CG	R13-25A2-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	1.99	1.75	1.39	1.22	1.13
317809CG	R13-25A1-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	1.39	1.29	1.15	1.02	.85
317825CG	R13-25A2-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.38	1.27	1.10
318002CG	R13-28A-01	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318019CG	R13-28A-05	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	1.99	1.45	1.39	1.25	1.13
318027CG	R13-28A-06	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.25	1.99	1.55	1.39	1.25
317892CG	R13-25C1-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.39	2.15	1.69	1.52	1.46
317913CG	R13-25C2-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.51	1.49
317884CG	R13-25C1-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	2.85	2.55	2.00	1.79	1.72
317905CG	R13-25C2-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.45	2.15	1.69	1.51	1.49
318086CG	R13-28C-01	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.39
318094CG	R13-28C-05	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.39
318107CG	R13-28C-06	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.75
317930CG	R13-25D1-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.45	2.15	1.69	1.55	1.45
317956CG	R13-25D2-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.55	1.45
318123CG	R13-28D-01	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.47
318131CG	R13-28D-05	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.47
318140CG	R13-28D-06	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060CG	JKN32	1	4	SPDT on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.05	.95	.85	.64
76260CG	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29	1.15

JAMECO ValuePro

Standard Toggle Switches (Continued)

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
158078CG	JKN3CC	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	\$1.75	\$1.59	\$1.29	\$.99	\$.75
317850CG	R13-25B1-05	3	6	DPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
318043CG	R13-28B-01	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051CG	R13-28B-05	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09
318060CG	R13-28B-06	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	4.59	4.15	3.19	2.89	2.75
317972CG	R13-25E1-05	3	6	DPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
Other Manufacturers — Great Deals																
76259CG	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	\$1.59	\$1.45	\$1.29	\$1.15	\$1.05

JAMECO ValuePro

Subminiature Toggle Switches

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
106067CG	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	—	30mA @ 5VDC	PC right angle	Round	\$1.99	\$1.83	\$1.59	\$1.44	\$1.32
72160CG	SW1501	2	2	SPST on-off	.33 x .21 x .33	.10	—	—	1.5A @ 250VAC	Solder lugs	Round	1.09	1.07	1.04	.99	.84
75969CG	SWM136	2	3	SPDT on-on	.33 x .21 x .33	.10	—	—	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
72557CG	SW1502	2	3	SPDT on-off-on	.33 x .21 x .33	.10	—	—	1.5A @ 250VAC	Solder lugs	Round	1.35	1.25	1.05	.85	.60
138907CG	SW1503	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	—	3A @ 120VAC	Solder lugs	Round	1.29	1.05	.85	.65	.488
75977CG	SWM137	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55

JAMECO ValuePro

Miniature Toggle Switches

Quantity SAVE

- Mounting hole diameter: 1/4"

Blue Part No. = Limited Quantity Available

Includes: Mounting hardware

Part No.	Cross Ref. No.	Fig.	Pins	Type () Momentary	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76523CG	JMT113	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.15	\$1.03	\$.93	\$.75	\$.65
21936CG	JMT123	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.03	.93	.75	.65
21910CG	JMT121	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.71
22832CG	LFH123	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.15	1.05	.95	.85	.75
75854CG	SWM132	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.94	.69
75889CG	SWM129	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
26331CG	MPC123	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315CG	MPC121	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.72
71597CG	SWM148	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.19	1.09	.91	.73	.55
75871CG	SWM145	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841CG	LFH221	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979CG	JMT223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859CG	LFH223	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.29	1.19	1.05	.95	.71
75900CG	SWM133	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.34	1.14	.91	.68
21952CG	JMT221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	.99	.79	.59
75951CG	SWM130	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
26366CG	MPC223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358CG	MPC221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.16	1.04	.89	.75
Other Manufacturers																
105814CG	SWA208	5	6	DPDT on-(on)	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	\$1.59	\$1.45	\$1.29	\$1.03	\$.77
202964CG	WI24	7	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.15	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.59	.79	.68	.54	.41

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Toggle Switches

Heavy-Duty Toggle Switches

Part No.	Product No.	Fig.	Type () Momentary	Contact Rating (A @ VAC)	Lead Type	Mounting Hole	Lever Type	Pricing		
								1	10	100
620787CG	35-078♣	1	SPST on-off	15 @ 125	Solder	0.500"	Bat (metal)	\$3.19	\$2.99	\$2.80
620963CG	35-130♣	2	SPDT on-on	20 @ 125	Screw	0.500"	Bat (metal)	3.25	3.04	2.84
621018CG	35-139♣	3	3PST on-off	17 @ 125	Screw	0.500"	Bat (metal)	10.65	9.97	9.31
621026CG	35-140♣	3	3PDT on-off-on	17 @ 125	Screw	0.500"	Bat (metal)	12.55	11.76	10.99
621034CG	35-141♣	3	3PDT on-on	17 @ 125	Screw	0.500"	Bat (metal)	12.55	11.76	10.99
621122CG	35-149♣	1	DPDT on-off-on	20 @ 125	Solder	0.500"	Bat (metal)	5.75	5.23	4.73
621131CG	35-150♣	2	DPDT (on)-off-(on)	20 @ 125	Screw	0.500"	Bat (metal)	6.25	5.85	5.47
621181CG	35-155♣	2	SPDT (on)-off-(on)	20 @ 125	Screw	0.500"	Bat (metal)	4.29	4.03	3.78
621261CG	35-185♣	4	DPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (metal)	5.15	4.80	4.47
621499CG	35-3005♣	4	SPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	2.65	2.47	2.30
621536CG	35-3015♣	4	SPDT on-off-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	3.29	3.08	2.88
621544CG	35-3020♣	4	DPDT on-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.45	4.16	3.89
621552CG	35-3025♣	4	DPDT on-off-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.45	4.17	3.90
621587CG	35-3045♣	4	DPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.75	4.45	4.16
621608CG	35-3055♣	4	SPST off-(on)	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.55	4.25	3.97
621616CG	35-3060♣	2	DPST on-off	20 @ 125	Screw	0.500"	Bat (brass)	4.45	4.16	3.89
621641CG	35-3075♣	5	DPST on-off	20 @ 125	Screw	0.500"	Bat (brass)	9.59	8.90	8.28

Medium-Duty Toggle Switches

Part No.	Product No.	Fig.	Type () Momentary	Contact Rating (A @ VAC)	Lead Type	Mounting Hole	Lever Type	Pricing		
								1	10	100
620816CG	35-090♣	6	SPST on-off	16 @ 125	0.250" quick conn.	0.500"	Paddle (red)	\$5.29	\$4.96	\$4.64
620832CG	35-094♣	6	SPST on-off	16 @ 125	0.250" quick conn.	0.500"	Paddle (green)	5.29	4.96	4.64
620921CG	35-118♣	7	DPST on-off	6 @ 125	0.250" quick conn.	0.500"	Bat (metal)	4.45	4.17	3.90
620971CG	35-132♣	8	DPDT on-on	3 @ 125	Solder	0.500"	Bat (metal)	1.95	1.81	1.68
621190CG	35-160♣	9	SPST on-off	6 @ 125	Solder	0.500"	Bat (metal)	3.55	3.31	3.08
621211CG	35-170♣	10	SPST on-off	6 @ 125	Screw	0.500"	Ball (metal)	7.85	7.36	6.88
621229CG	35-178	11	SPST on-off	20 @ 125	0.250" quick conn.	0.500"	Paddle (plastic)	3.35	3.21	3.08
617721CG	35-854♣	12	SPST on-off	6 @ 125	Lead wires	0.500"	Bat (plastic)	3.49	3.22	2.97
620841CG	35-1076♣	13	SPST off-(on)	6 @ 125	Screw	0.500"	Bat (metal)	6.25	5.85	5.47
621579CG	35-3035♣	14	SPST on-off	6 @ 125	Screw	0.500"	Bat (brass)	2.95	2.75	2.56
621595CG	35-3050	15	SPST on-off	10 @ 125	Lead wires	0.500"	Paddle (brass)	3.25	3.12	3.01
621683CG	35-3127♣	16	DPDT (on)-off-(on)	15 @ 125	0.250" quick conn.	0.500"	Bat (metal)	10.09	9.39	8.76
621763CG	35-3160♣	17	SPST on-off	20 @ 125	Screw	0.500"	Paddle (nylon)	3.45	3.21	2.99

Miniature Toggle Switches

Part No.	Product No.	Fig.	Type () Momentary	Contact Rating (A @ VAC)	Lead Type	Mounting Hole	Lever Type	Pricing		
								1	10	100
620517CG	35-003♣	18	SPDT on-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	\$2.75	\$2.57	\$2.40
620525CG	35-004♣	18	SPDT on-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.35	2.20	2.06
620533CG	35-005♣	18	SPDT on-off-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.75	2.57	2.40
620550CG	35-007♣	18	SPDT on-off-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.75	2.57	2.40
620568CG	35-008♣	18	SPDT (on)-off-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.65	2.47	2.30
620576CG	35-009	19	DPDT on-on-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	4.25	3.98	3.72

See Our Complete GC Electronics Toggle Switch Offering at www.Jameco.com/Prod/GCToggle



♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Toggle Switches

E Series Sealed Miniature

- Contact rating: 7.5A @ 125VAC or 28VDC; 3A @ 250VAC
- Sealed against solder and cleaning process contaminants
- UL 94V-0 Nylon case and bushing
- Op. temp.: -30°C to +85°C
- Insulation resistance: 10,000MΩ min.

GT Series Sealed Ultraminiature

- Contact rating: 0.4VA max. @ 20VAC or DC max.
- Insulation resistance: 10,000MΩ min.
- Sealed against solder and cleaning process contaminants
- Operating temp.: -30°C to +85°C
- Ultraminiature size, smallest footprint available

T Series Subminiature

- Operating temp.: -30°C to +85°C
- Contact rating: 0.4 VA max. @ 20VAC/VDC max; 3A @ 120VAC or 28VDC
- Insulation resistance: 10,000MΩ min.
- Compact size, small footprint

7000 Series Miniature

- Epoxy sealed terminals prevent contamination
- Contact rating: 0.4VA max. @ 20VAC/VDC max; 5A @ 120VAC or 28VDC; 2A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Operating temp.: -30°C to +85°C

9000 Series Power

- Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC or 10A @ 125VAC/ 28VDC; 5A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Operating temp.: -30°C to +85°C

MIL-S-83731 Series Military/Aerospace/Hi-Rel

- Contact rating: 0.4VA max. @ 28VAC/DC max.
- Operating temp.: -25°C to +71°C

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Alcoswitch

Gemini A Series Miniature

- Insulation resistance: 1000MΩ @ 500VDC
- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -20°C to 85°C

AE Series Washable

- Dielectric strength: 1000 volts RMS @ sea level
- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Operating temp.: -20°C to +85°C
- Insulation resistance: 1000MΩ @ 500VDC

MT Series

- Dielectric strength: 1500VAC
- Contact rating: gold: 6A @ 125VAC, 3A @ 250VAC
- Operating temp.: -20°C to +80°C
- Insulation resistance: 1000MΩ @ 500VDC min. for 1 minute

TT Series

- Insulation resistance: 1000MΩ min. @ 500VDC min.
- Contact rating: 0.4VA @ 20VDC or peak AC or 3A @ 125VAC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -30°C to +85°C

7320/7360/7402 Series Power

- Operating temp.: 0°C to 55°C
- Contact rating: 7320 series: 16A @ 125VAC, 8A @ 250VAC; 7360 series: 20A @ 125VAC, 10A @ 250VAC; 7402 series: 20A @ 125/250VAC
- Screw terminals

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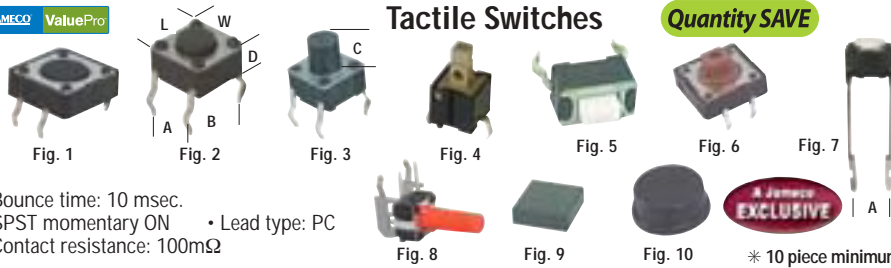


7320 Series

See Our Alcoswitch Toggle Switch Offering at www.Jameco.com/Prod/AlcoToggle

Tactile Switches

Quantity SAVE



- Bounce time: 10 msec.
- SPST momentary ON
- Contact resistance: 100mΩ
- Lead type: PC

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A"	B"			1	10	100	250
122973CG	DT51212	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.26	.23	.19	.17
119010CG	KT11B1CM	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.176	.132
149948CG	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.26	.234	.184	.138
115087CG	KIE22	4	2	.31	.31	.22	—	—	.25	20 @ 15	Gray	.39	.35	.29	.218
199728CG	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.30	.221	.196	.187
200362CG	EVQP04K	8	5	.24	.24	.14	.30	.17	.26	20 @ 15	Black	.29	.26	.23	.17
137189CG	PBS103	1	4	.47	.47	.17	—	.20	.50	50 @ 12	Black	.39	.35	.32	.19
153251CG	SDT620K	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155248CG	KRS-3550-BK	5	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.22	.20	.16	.12
155379CG	KRS-1273B	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

Tactile Switch Caps*

10 piece minimum

Part No.	Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155389CG	KRS-CAP-A	9	Square	.47"L x .47"W x .16"H	Plastic	P/N 155379CG	\$.15	\$.11	\$.08
155408CG	KRS-CAP-B	10	Round	.50"Dia. x .25"H	Plastic	P/N 155379CG	.15	.13	.11

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.*	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A"	B"			1	10	100	250
199726CG	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	\$.27	\$.199	\$.176	\$.13
206341CG	KPT1107A	5	2	.24	.14	.15	—	—	.25	50 @ 12	Beige	.23	.21	.19	.17
454491CG	DST21N	1	4	.47	.47	.14	.03	.19	.47	50 @ 12	Brown	.23	.21	.19	.17
454504CG	DSTM-61R	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Red	.23	.21	.19	.17
454512CG	DSTM-61K	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Black	.23	.21	.19	.17
202956CG	KSM06330	8	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.26	.15	.13	.12

* Manufacturer may vary † 200362CG: with ground pin ‡ See switch caps above 1 454504CG/454512CG: SMD Blue Part No. = Limited Quantity Available



Tactile Switches

- Contact rating: 50mA @ 12VDC

Part No.	Product No.	Contact Form	Terminal	Body Size	Actuator	1	25	50
621077CG	35-1451	SPST (on)-off	PC term.	12mm	Low profile gray	\$.99	\$.92	\$.86
621085CG	35-1452	SPST (on)-off	PC term.	6mm	Low profile black	.89	.82	.76



To Find Additional GC Tactile Switches, visit www.Jameco.com/Prod/GCTactile

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend			
New	Sale	Lower\$	QtySave

OMRON B3F Series Miniature Tactile Key Switches

Miniature, low profile and easy mounting. Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.

- Extended mechanical/ electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: 188787CG general purpose 100g P/N 162886CG and high-force 260g
- Dimensions: 162886CG 4.3 mm x 6.5 mm 188787CG 7.3mm x 6.5mm

Part No.	Type	1	25	50	100
162886CG	B3F-1000	\$.45	\$.40	\$.36	\$.33
188787CG	B3F-1050	.35	.29	.21	.17

Alcoswitch Tactile Switches FSM Series

- Operating temp.: -40°C to +85°C
- Initial contact resistance: 100mΩ max.
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC for 1 minute

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Tactile Switch Offering at www.Jameco.com/Prod/AlcoTactile

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST
- 171871CG: 500mA @ 100VDC
- 164081CG: 1A @ 250VAC; 1A @ 50VDC
- Size: 1.43"L x 0.2"Dia.

Part No.	Cross Ref. No.	1	10	100	1000
171871CG	MKA14103	\$.79	\$.64	\$.46	\$.41
164081CG	MRS1	.79	.63	.43	.39





Specialty Switches



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Pull Chain Switches • Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

Part No.	Product No.	Fig.	Contact Form	Actuator	Terminal Type	1	10	50
617764CG	35-864	1	SPST on-off	3 1/2" pull chain	6" wires	\$2.75	\$2.52	\$2.31
617772CG	35-865	2	R3P off- (1)on - (2) on	3 3/4" pull chain	push-in	4.59	4.24	3.89
617781CG	35-867	2	SP3T off-on-on-on	3 3/4" pull chain	push-in	5.05	4.45	3.96

Magnetic Proximity • Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC

617502CG	35-750	3	SPST NO w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	\$3.35	\$3.16	\$2.98
617529CG	35-752	4	SPDT NO/NC	Use magnet	Leaded SD	4.15	3.97	3.78
617545CG	35-756	3	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	7.05	6.56	6.10

Knife Switches • Current rating: 0.5A @ 6VDC • Mounting hole: 3.4mm

617490CG	35-730	5	DPDT on-off-on	Plastic handle	Screw terminal	\$4.09	\$3.99	\$3.91
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Proximity Magnets • Current rating: 0.3A @ 30VAC/VDC

Part No.	Product No.	Fig.	Contact Form	Terminal Type	1	10	100
617511CG	35-751	—	SPST NO	Screw terminal, 1/4" gap, surface mount	\$9.69	\$8.87	\$8.11
617537CG	35-754	6	SPST NO	Side wire leads, 1" gap, subminiature surface mount	8.39	7.67	7.01
617553CG	35-761	—	SPST NO	Wire leads, 1/4" gap, recessed magnet, panel mount 3/4"	9.25	8.48	7.78
617561CG	35-762	—	SPST NO	Wire leads, 1/4" gap, recessed magnet, panel mount 3.8"	6.49	5.91	5.40

To Find Mercury Tilt Switches, visit our website at www.Jameco.com/Prod/GCSpecialty

Switch Assortment Kit

Includes:

- 20-drawer component cabinet (319599CG), 20 clear plastic drawers (319601CG), 20 clear dividers (319610CG), pg 326 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523CG, 21936CG, 21910CG, 26331CG, 26315CG, 21979CG, 21952CG, 26366CG, 26358CG), pg 197
- 10 ea. slide switches (109170CG), pg 192
- 10 ea. pushbutton switches (26622CG, 26649CG), pg 186
- 10 ea. DIP switches (38818CG, 38842CG), pg 202
- 10 ea. tactile switches (153251CG), pg 199

SAVE \$50



Part No.	Description	Wt. (lbs.)	1	10
85059CG	150 pcs. switch kit	5.0	\$98.95	\$88.95



Rotary Switches

A Series 1-4 Pole

- Multi-pole and multi-position
- Positive detent
- Contact rating: -2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000VRMS @ sea level

M Series 1/2 Inch

- Stainless steel actuator
- Multi-pole and multi-position
- Contact rating: 250mA @ 125VAC/28VDC
- Insulation resistance: 10000MΩ min.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 600VRMS @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Rotary Switch Offering at www.Jameco.com/Prod/CKRotary



Rotary Switches

Solder Eyelet Style

- Current: 0.3A @ 125VAC
- Actuator: 1/4" metal shaft
- Mounting hole dia.: 0.375"

Part No.	Product No.	Poles	Position	Mounting Style	1	10	100
622336CG	35-375	2	6	Shorting	\$3.85	\$3.55	\$3.28
622352CG	35-376	1	12	Shorting	2.89	2.66	2.48
622379CG	35-377	2	5	Non-shorting	3.85	3.55	3.28
622387CG	35-378	3	3	Non-shorting	3.85	3.55	3.28
622395CG	35-379	3	4	Shorting	2.89	2.66	2.48

6" Lead Wire Style

- Mounting: threaded bushing
- Contact form: SPST on-off

Part No.	Product No.	Fig.	Current (A@125/250VAC)	Actuator	Mounting Hole (Dia.)	1	10	100
617730CG	35-855	1	6/3	Brass knob	0.375"	\$3.05	\$2.49	\$2.02
617748CG	35-856	2	6/2	Black plastic	0.375"	2.95	2.47	2.01

JAMECO ValuePro

Rotary Switches

- Contact rating: 30VDC @ 0.3A
- Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ
- Lug size: 0.07"
- Layers: 1
- Mounting hole diameter: 3/8"
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101565CG – plastic casing)
- Make before break
- Solder lugs
- Panel mount

Includes: Washer and nut

Part No.	Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.)	1	10	100
101531CG	RS0261	1	12	0.46 x 0.25	\$1.39	\$1.25	\$1.04
101573CG	RS022	2	6	0.46 x 0.25	1.35	1.15	.86
101565CG	RS023	3	4	1.16 x 0.25	1.95	1.59	1.25
101557CG	RS024	4	3	0.46 x 0.25	1.09	.93	.69

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♣ RoHS compliant product

♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.

Alcoswitch

MRC Series

- Contact rating: 500mA @ 125VAC or 28VDC resistive
- Insulation resistance: 100MΩ min. • Operating temp.: -20°C to +80°C
- Dielectric strength: 1000V_{RMS} @ sea level

MRJ Series

- Contact rating: 0.4VA max. @ 20VDC or peak AC
- Insulation resistance: 10,000MΩ min. • Op. temp.: -20°C to +70°C
- Dielectric strength: 1000 V_{RMS} @ sea level

Rotary Switches



MRC Series

6000 Series

- Current/voltage rating: Signal application only
- Insulation resistance: 1000MΩ • Op. temp.: -18°C to +88°C
- Dielectric breakdown voltage: 500VDC min.
- Compact design, small diameter, low profile switches are ideal for pc board mounting



6000 Series

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See Our Alcoswitch Rotary Switch Offering at www.Jameco.com/Prod/AlcoRotary

CD Series 8mm DIP Coded Rotary Switches

- Contact rating: 0.4W max. @ 20VAC or VDC max.
- Insulation resistance: 100MΩ min. @ 250VAC min.
- Cover and base, knob: glass filled nylon, (UL94V-0)
- Movable contacts and stationary contacts: copper alloy with gold plate over nickel plate
- Contact resistance: 50mΩ max. initial
- Dielectric strength: 250V_{RMS} min.
- Actuator: LCP (UL94V-0), internal o-ring seal standard
- Terminals: copper alloy with tin-lead alloy over nickel plate



581394CG



582426CG

Part No.	Product No.	Function	Actuator	Termination	Mech/Electrical Life	1	10	100	1000
581415CG	CD10RK1CK	BCD, 10-position	Knob	PC thru-hole	20,000 actuations	\$4.49	\$4.31	\$3.91	\$3.56
581440CG	CD10RL1AK	BCD, 10-position	Extended, screwdriver slot	Right angle, PC thru-hole	20,000 actuations	4.89	4.75	4.15	3.65
581491CG	CD10RL1CK	BCD, 10-position	Extended, screwdriver slot	PC thru-hole	20,000 actuations	3.89	3.70	3.21	3.06
581474CG	CD10RM0SK	BCD, 10-position	Flush, screwdriver slot	Surface mount	20,000 actuations	3.79	3.63	3.14	2.99
581394CG	CD16CMOSK	Hexadecimal compliment, 16-pos.	Flush, screwdriver slot	Surface mount	20,000 actuations	4.65	4.50	3.90	3.72
581335CG	CD16RK1AK	Hexadecimal, 16-pos.	Knob	Right angle, PC thru-hole	20,000 actuations	5.35	5.27	4.46	4.35
581301CG	CD16RK1CK	Hexadecimal, 16-pos.	Knob	PC thru-hole	20,000 actuations	4.79	4.67	4.39	3.89
582418CG	CD16RM0AK	Hexadecimal, 16-pos.	Flush, screwdriver slot	Right angle, PC thru-hole	20,000 actuations	4.29	4.19	3.61	3.45
582434CG	CD16RM0CK	Hexadecimal, 16-pos.	Flush, screwdriver slot	PC thru-hole	20,000 actuations	4.55	4.19	3.69	3.15
582426CG	CD16RM0SK	Hexadecimal, 16-pos.	Flush, screwdriver slot	Surface mount	20,000 actuations	4.25	4.00	3.48	3.30

CRD Series 10mm DIP Coded Rotary Switches

- Contact rating: 0.4W, 20VDC max.
- Electrical life: 20,000 steps min. @ 5VDC, 10mA
- Insulation resistance: 1000MΩ min. @ 100VDC
- Contact resistance: 100mΩ max. initial @ 2VDC, 10mA
- Cover: (PTH) PBT red; (SMT) PPA red (UL94V-0)
- Actuator: 4/6 nylon PA-6T (UL94V-0)
- Terminal: brass with tin-lead plate
- Mechanical life: 30,000 steps min.
- Dielectric strength: 300VAC for 1 minute
- Housing: (PTH) PBT green, (SMT) PPA red (UL94V-0)
- Contact: beryllium copper with gold plating
- Actuator: flush, screwdriver slot



Part No.	Product No.	Function	Termination	1	10	100	1000
581431CG	CRD10RM0AK	BDC, 10-pos.	Right angle, PC thru-hole	\$4.95	\$4.54	\$3.89	\$2.74
581423CG	CRD10RM0SK	BCD, 10-pos.	Surface mount	4.75	4.32	3.71	2.61
581360CG	CRD16CM0SK	Hexadecimal comp., 16-pos.	Surface mount	5.19	4.76	4.08	2.87
581343CG	CRD16RM0AK	Hexadecimal, 16-pos.	Right angle, PC thru-hole	5.49	5.01	4.29	3.01
581351CG	CRD16RM0CK	Hexadecimal, 16-pos.	PC thru-hole	4.65	4.22	3.62	2.54

See Our C&K RTE Series Switch Offering at www.Jameco.com/Prod/CKDIP



Rotary DIP Switches

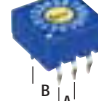
- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction • Terminals: PC pin leads
- Life: 10,000 cycles min. • Op. force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC • Lead spacing: A = 0.1"; B = 0.3"
- Material: 94V-0 grade, UL approved fire retardant plastic

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50	100
139635CG	ERD110RS(DRD10)	10	Top	BCD	.39 x .39 x .20	\$2.59	\$2.33	\$2.07	\$1.86
139651CG	ERD116RS	16	Top	Hex	.39 x .20 x .39	2.75	2.49	2.22	1.99



139635CG



139651CG

Rotary DIP Switches

- Fully sealed construction
- Rotor and switch body: plastic (UL94V-0)
- Contact and terminal material: copper alloy plated
- Make and break current rating: 30mA @ 30VDC for 10,000 cycles



215992CG



216004CG

- 215992CG:
 - Code type: HEX
 - 16-position
 - 0.1" x 0.3" pin spacing (standard through hole)
 - Size: 0.39"W x 0.39"D x 0.20"H
 - Top adjustment

216004CG:

- Code type: BCD • 10-position
- 0.1" pin spacing (right angle through hole)
- Size: 0.43"W x 0.28"D x 0.40"H • Side adjustment

645669CG:

- Code type: octal • 8-position • 0.270" actuator type

Part No.	Product No.	1	10	100	1000
215992CG	HAB16	\$1.95	\$1.75	\$1.59	\$1.45
216004CG	HAB10R	1.75	1.59	1.45	1.29
645669CG	HBB08	2.25	2.05	1.89	1.69



645669CG

DIP Switches

- Operating temp.: -40°C to +85°C
- Insulation resistance: 1000MΩ @ 100VDC min.
- Dielectric strength: 500V_{RMS}
- Carrying current rating: 4A or 5A
- Spring and ball contact
- Raised and recessed rocker and toggle actuated styles

76 & 78 Series SPDT Through Hole

- Carrying current rating: 3A
- Reliable spring and ball contact

90HB Series SPST, Low Profile SMT

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76 Series

See Our Complete Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP

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RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Alcoswitch Vertical SIP Switches

SSV Series

- Contact rating: 0.4VA @ 20VDC max.
- Operating temp.: -30°C to +85°C
- Insulation resistance: 100MΩ min. @ 100VDC
- End-to-end stackable in .100" center
- High pressure wiping contacts allow aqueous or solvent cleaning
- Dielectric strength: 500VAC



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Rotary DIP Switches



RoHS Compliant Product
RoHS Also Available

Details
on
Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave

Tri-State DIP Switch

- Switch contacts: bused, tri-state
- 8 positions • Pre-tinned leads
- Labeled tri-state positions (+, 0, -)
- Contact rating: 24VDC @ 25mA
- Two isolated buses
- Compatible socket, use P/N 37372CG, pg 155

Blue Part No. = Limited Quantity

Part No.	Cross Ref. No.	1	10	50	100
138991CG	ETA108E	\$1.95	\$1.75	\$1.55	\$1.35

DIP Switches

- Standard profile
- 2A @ 5VDC or 25mA @ 25VDC

NEW

Part No.	Product No.	Pos.	Length	1	10	50
617908CG	35-964	4	0.48"	\$1.75	\$1.59	\$1.44
617916CG	35-968	8	0.88"	2.35	2.16	1.94
617924CG	35-970	10	1.08"	2.75	2.49	2.24

90B Series Thru-Hole DIP Switches

Machine Insertable MIDIP

- Tested for TO-116 equipment
- Dielectric strength: 500V_{RMS}
- Carry current: 3A
- High-pressure reliable contacts

Part No.	Product No.	Position	Length (in.)	1	10	100
473001CG	90B04S	4	0.470	\$2.09	\$1.86	\$1.68
473027CG	90B05S	5	0.570	1.75	1.64	.81
473035CG	90B06S	6	0.670	2.95	2.63	2.37
473051CG	90B07S	7	0.770	2.95	2.67	2.40
473060CG	90B08S	8	0.870	1.65	1.60	1.53
697055CG	90B08ST	8	0.870	.72	.70	.67
473086CG	90B09S	9	0.970	3.09	2.80	2.52
473094CG	90B10S	10	1.070	3.29	2.95	2.66

78 Series Thru-Hole DIP Switches

- Spring ball contact
- Carrying current: 4A
- Dielectric strength: 500V_{RMS}
- SPST, raised slides, sealed

Part No.	Product No.	Position	Length (in.)	1	10	100
472489CG	78B04S	4	0.480	\$1.99	\$1.87	\$1.71
696950CG	78B04ST	4	0.480	.62	.60	.57
472518CG	78B05S	5	0.580	2.05	1.92	1.76
472542CG	78B06S	6	0.680	1.69	1.58	.78
472569CG	78B07S	7	0.780	2.19	2.15	2.10
472593CG	78B08S	8	0.880	2.35	2.22	2.11
696968CG	78B08ST	8	0.880	.68	.66	.63
696984CG	78B08T	8	0.880	.69	.67	.64
472614CG	78B09S	9	0.980	2.25	2.12	1.94
472631CG	78B10S	10	1.080	2.29	2.15	1.97
472665CG	78B12S	12	1.280	2.49	2.45	2.35

Recessed Slides

696992CG	78RB04ST	4	0.480	\$.69	\$.67	\$.64
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94H Series Rotary DIP Switches

- Carry current: 100mA @ 50VDC
- Dielectric strength: 250V_{RMS}

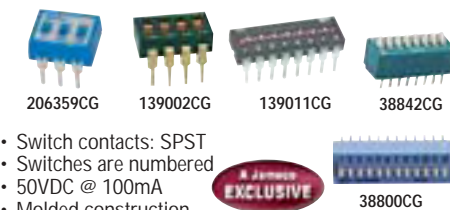
NEW 473342CG

Part No.	Cross Ref. No.	Pos.	Code Type	Description	Pricing		
					1	10	100
473271CG	94HAB08	8	Octal	Flush actuator, PC mount	\$2.89	\$2.73	\$1.73
473297CG	94HA08BW	8	Octal	Flush actuator, surface mount	2.89	2.73	1.86
473318CG	94HAB10	10	BCD	Flush actuator, PC mount	5.39	4.84	4.36
697071CG	94HAB10RAT	10	BCD	Flush actuator, Right angle, Thru-hole	1.75	1.66	1.58
697080CG	94HAB10T	10	BCD	Flush actuator, Thru-hole	1.75	1.66	1.58
473342CG	94HAB16	16	HEX	Flush actuator, PC mount	3.25	3.08	2.61
697098CG	94HAB16RAT	16	HEX	Flush actuator, Right angle, Thru-hole	1.75	1.66	1.58
697101CG	94HAB16T	16	HEX	Flush actuator, Thru-hole	1.75	1.66	1.58
473465CG	94HBB16	16	HEX	0.270" actuator, PC mount	2.95	2.73	1.89
473473CG	94HBB16RA	16	HEX	0.270" actuator, right angle	6.49	6.17	5.84

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

DIP Switches



- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing
- Pre-tinned leads

Compatible Socket Chart, see page 155 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109059CG	112192CG	38827CG	37161CG	101857CG	38113CG
38819CG	51570CG	38842CG	37372CG	38798CG	38608CG
139003CG	51570CG	139011CG	37372CG	38800CG	39378CG
109057CG	112192CG	139002CG	51570CG	38834CG	37161CG
38818CG	51570CG	38826CG	37161CG	101856CG	38113CG
206359CG	51570CG	454547CG	—	38797CG	38608CG

Part No.	Cross Ref. No.	Pos.	Pricing			
			1	10	100	1000
109059CG	206-2R	2	\$.75	\$.68	\$.61	\$.55
38819CG	206-4	4	.65	.55	.49	.45
139003CG	206-4LP	4	.79	.70	.55	.425
38827CG	206-6	6	.99	.89	.79	.72
38842CG	206-8	8	.89	.80	.72	.64
139011CG	206-8LP	8	.85	.76	.61	.47
101857CG	206-9	9	.85	.77	.62	.544
38798CG	206-10	10	.95	.86	.68	.59
38800CG	206-12	12	1.05	.99	.93	.62

Other Manufacturers — Great Deals						
109057CG	206-2*	2	\$.69	\$.61	\$.56	\$.51
206359CG	206-3*	3	.79	.65	.55	.413
38818CG	206-4	4	.48	.432	.366	.30
139002CG	206-4LP*	4	\$.73	.55	.495	.396
38826CG	206-6*	6	.91	.82	.73	.66
454547CG	DMR06T	6	.89	.80	.71	.58
38834CG	206-7*	7	.95	.86	.77	.62
101856CG	206-9*	9	.78	.73	.61	.46
38797CG	206-10*	10	.87	.79	.71	.59

* Manufacturer may vary ↑ SMT Blue Part No. = Limited Quantity

76 Series Thru-Hole DIP Switches

- SPST rocker
- Carrying current: 5A
- Spring ball contact
- Dielectric strength: 500V_{RMS}

PSB – Piano DIP Style (UP is off)

Part No.	Product No.	Position	Length (in.)	1	10	100
696781CG	76PSB02ST	2	0.280	\$.71	\$.69	\$.66
696790CG	76PSB02T	2	0.280	.66	.64	.61
469554CG	76PSB04	4	0.480	1.79	1.71	.92
696802CG	76PSB04ST	4	0.480	.75	.73	.71
696811CG	76PSB04T	4	0.480	.69	.67	.64
469571CG	76PSB05	5	0.580	2.99	2.70	2.43
469597CG	76PSB06	6	0.680	1.89	1.77	.88
469634CG	76PSB08	8	0.880	3.25	2.89	2.60
696829CG	76PSB08ST	8	0.880	.73	.71	.68
469651CG	76PSB09	9	0.980	3.35	3.00	2.70
469677CG	76PSB10	10	1.080	2.09	1.99	.99
469693CG	76PSB12	12	1.280	2.19	2.08	1.16

RSB – Raised Rocker Style, Sealed

Part No.	Product No.	Position	Length (in.)	1	10	100
469765CG	76RSB04S	4	0.480	\$2.69	\$2.41	\$2.17
696845CG	76RSB04ST	4	0.480	.66	.64	.61
469781CG	76RSB05S	5	0.580	1.69	1.61	.90
469802CG	76RSB06S	6	0.680	2.99	2.67	2.40
469829CG	76RSB07S	7	0.780	1.75	1.66	.92
469845CG	76RSB08S	8	0.880	1.85	1.71	.95
696853CG	76RSB08ST	8	0.880	.75	.73	.71
469861CG	76RSB09S	9	0.980	1.85	1.75	1.47

SB – Raised Rocker Style

Part No.	Product No.	Position	Length (in.)	1	10	100
696870CG	76SB02ST	2	0.280	\$.62	\$.60	\$.57
696888CG	76SB04ST	4	0.480	.59	.58	.56
696896CG	76SB04T	4	0.480	.62	.60	.57
696909CG	76SB06ST	6	0.680	.69	.67	.65
696917CG	76SB08ST	8	0.880	.62	.60	.57
696933CG	76SB08T	8	0.880	.71	.69	.66

Military Qualified

Part No.	Product No.	Position	Length (in.)	1	10	100
696773CG	76MSB08S	8	0.880	\$3.05	\$2.92	\$2.80

See Our Complete Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Alcoswitch

DIP Switches

- AD Series** • Contact rating: 0.4VA @ 20VDC max.
• Insulation resistance: 1,000MΩ min. @ 100VDC • Dielectric strength: 500VAC
- GD Series** • Contact rating: 0.4VA 25mA @ 24VDC
• Insulation resist.: 100MΩ min. @ 250VDC
- DRD Series Sealed Rotary** • Contact rating: 0.4VA max. @ 20VDC max.
• Insulation resistance: 1,000MΩ min. @ 100VDC
- 7000 Series** • Dielectric withstanding voltage: 500VDC min.
• Current/voltage rating: Non-switching-1.0A max. @ 50VDC
- 7100 Series SPST Rocker Style Actuator** • Dielectric withstanding voltage: 500VDC min.
• Current/voltage rating: Non-switching-1.0A max. @ 40VDC

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See Our Alcoswitch DIP Switch Offering at www.Jameco.com/Prod/AlcoDIP

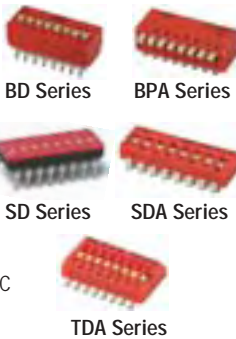


DIP Switches

- BD Series Standard Profile** • Insulation resistance: 1,000MΩ min.
• Traditional full profile DIP switch • Contact rating: 100mA @ 50VDC
• Dielectric strength: 500V_{RMS} @ sea level • Operating temp.: -40°C to +85°C
- BPA Series Side Actuated** • Insulation resistance: 100VDC 100MΩ min.
• Side actuated contacts • Contact rating: 100mA @ 50VDC
• Dielectric strength: 300VAC for 1 min. • Operating temp.: -20°C to +85°C
- SD Series Low Profile** • Dielectric strength: 500V_{RMS} @ sea level
• Contact rating: 100mA @ 50VDC • Operating temp.: -20°C to +85°C
• Insulation resistance: 10MΩ or 1,000MΩ min. • Sealed with top tape
- SDA Series Low Profile** • Insulation resistance: 1,000MΩ min. @ 100VDC
• Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
• Dielectric strength: 300VAC for 1 min. • Operating temp.: -20°C to +85°C
- TDA Series Low Profile** • Insulation resistance: 1,000MΩ min. @ 100VDC • Operating temp.: -20°C to +85°C
• Contact rating: 25mA @ 24VDC; 100mA @ 50VDC • Dielectric strength: 300VAC for 1 min.

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See Our Complete C&K DIP Switch Offering at www.Jameco.com/Prod/CKDIP



16-Button Keypad Switch

- 1/2" button centers • Flange mounted
• Top surface or sub-surface mounting
• Voltage breakdown: 250VAC
• Contact resistance: 10Ω maximum (compatible with MOS, TTL, and DTL)
• Snap-dome contact provides positive feedback
• Rating @ 24VDC: 10mA resistive • 4" x 4" grid
• Life expectancy: 3,000,000 operations per button



Part No.	Product No.	1	10	100
302025CG	86BB2-006	\$18.55	\$15.76	\$11.82

Modular Keypad Switch

Series 82

- Unlighted for legend inserts
• Rating: 100mA @ 5VDC
• Contact resistance: 25mΩ or less
• Insulation resistance: 1000MΩ min.



Part No.	Description	1	10	100
472948CG	SPST 1 button	\$4.19	\$3.22	\$2.85

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
• Compatible with MOS, TTL and DTL (10Ω max.)
• Contact rating: 24VDC @ 10mA resistive
• Fully sealed snap-dome contact
• Life test: 3,000,000 cycles per key
• Recommended connector: P/N 103190CG header and P/N 100765CG pin, pg 148
• Size (housing): 4.7"W x 1.7"H x 0.4"T



196171CG



152063CG

Part No.	Description	1	10	100
196171CG	2x8 matrix keypad	\$16.95	\$14.40	\$10.80
152063CG	4x4 matrix keypad	14.95	13.49	11.95
103190CG	Header housing (10-pin) ⊕	.42	.39	.36
100765CG	Header pin (10/pk) ⊕ ⊗	*	.14	.11



Keyboard Switches

ML Series Notebook Profile .27"

- Normally open contact
• Volt.: 12VAC/DC max, 2VDC min.
• Current: 10mA AC/DC max, 100μA DC min.
• Insulation resist.: 100MΩ @ 100VDC
• Life: >20 million operations



ML Series

MX Series Desktop Profile .60"

- PCB or frame mount
• Volt.: 12VAC/DC max, 2VDC min.
• Current: 10mA AC/DC max, 10μA DC min.
• Insulation resistance: 100MΩ @ 100VDC



MX Series

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See Our Complete Keyboard Switch Offering at www.Jameco.com/Prod/CherryKbdSwitches



16-Button Numeric Keypad

- 4 x 4 matrix keypad
• 8-position solder pad
• Contact rating: 24VDC @ 20mA
• Contact resistance: 200Ω max.
• Life test: 1,000,000 life cycles per key
• Size: 3.0"L x 2.8"W x 0.6"H



Part No.	Description	1	10	100
169245CG	Numeric keypad ⊕	\$7.95	\$6.95	\$6.25



12-Button Telephone Keypads

- 8-pin .100" header
• Contact rating: 12VDC @ 20mA
• Contact resistance: 200Ω max.
• White plastic tactile type keypad
• Life test: 1,000,000 cycles per key
• Size: 2.8"L x 2.2"W x 0.6"H



153488CG

Part No.	Description	1	10	100
190561CG	Numeric keypad ⊕	\$8.75	\$7.45	\$5.59
153488CG	Alpha numeric keypad ⊕	9.25	8.21	6.16



Key Switches

D6 Series SPST Momentary

- Switching power: 6VA max.
• Easy X, Y coding on single sided PCB
• Operating temp.: -20°C to +85°C
• Dielectric strength: 1,000V for 1 minute @ 50Hz
• Contact resistance: ≤100 mΩ
• Insulation resistance: ≥100,000MΩ



D6 Series

K6 Series Miniature

- Designed for low-level switching
• Switching power: 0.02mV/3W DC
• Switching voltage: 2VDC/30VDC
• Operating temp.: -40°C to +85°C
• Contact resistance: initial 50 mΩ
• Insulation resistance: ≥10,000MΩ
• Dielectric strength: ≥300V @ 50Hz



K6 Series

K12 Series High Performance

- High reliability/long life
• Switching power: 0.02mV/3W DC
• Switching voltage: 2VDC/30VDC
• Operating temp.: -40°C to +85°C
• Contact resistance: initial 50 mΩ
• Insulation resistance: ≥10,000MΩ
• Dielectric strength: ≥500V @ 50Hz



PVA Series

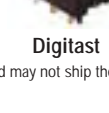
PVA Series Short Stroke

- Switching voltage: 50VDC
• Operating temp.: -40°C to +85°C
• Contact resistance: initial ≤100 mΩ
• Insulation resistance: ≥10,000MΩ
• Dielectric strength: 1,000V or 750V @ 50Hz
• Switching power: 3W DC



Digitast Series Microminiature SPDT

- Switching power: 240mW DC
• Dielectric strength: 500V @ 50Hz
• Switching voltage: 24VDC
• Operating temp.: -25°C to +85°C
• Contact resistance: initial ≤50 mΩ
• Insulation resistance: ≥10,000MΩ



Digitast

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Potter & Brumfield General Purpose Relays

- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications

- UL/CSA approved
- Contact arrangements from SPDT to 4PDT



NEW



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Part No.	Product No.	Tyco No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket*		Pricing			
									Standard	DIN Rail	1	10	25	50
282247CG	K10P-11A15-120	4-1393144-0	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	27E488/489	27E895	\$6.99	\$6.49	\$6.09	\$5.42
282255CG	K10P-11D15-12	5-1393144-5	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	27E488/489	27E895	7.25	6.90	6.54	5.90
282263CG	K10P-11D15-24	5-1393144-7	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	27E488/489	27E895	7.29	6.55	6.35	5.78
282280CG	KHAU-17A11-24	2-1393122-1	2	4PDT	3A @ 120VAC/28VDC (max)	24VAC	160	52	27E166	27E894	5.45	5.29	5.17	4.77
282271CG	KHAU-17A11-120	2-1393122-0	2	4PDT	3A @ 120VAC/28VDC (max)	120VAC	3,900	11	27E166	27E894	7.15	6.99	6.49	6.35
498013CG	KHAU-17A18-240	4-1393122-0	2	4PDT	3A @ 120VAC/28VDC (max)	240VAC	12,000	6	27E166	27E894	15.29	14.54	12.80	11.26
282301CG	KHAU-17D11-12	4-1393122-3	2	4PDT	3A @ 120VAC/28VDC (max)	12VDC	160	100	27E166	27E894	5.69	5.52	5.36	5.08
498048CG	KHAU-17D11-24	4-1393122-4	2	4PDT	3A @ 120VAC/28VDC (max)	12VDC	650	52	27E166	27E894	9.65	9.17	8.07	7.10
282319CG	KHAU-17D12-24	5-1393122-7	2	4PDT	5A @ 120VAC/28VDC (max)	24VDC	650	52	27E166	27E894	6.15	5.93	5.70	5.26
300943CG	KRPA-5AG-24	9-1393104-9	3	SPDT	10A @ 240VAC	24VAC	85	84	27E122	27E891	26.35	24.92	23.40	22.01
282431CG	KRPA-5AG-120	9-1393104-8	3	SPDT ^G	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	16.45	15.84	15.23	14.06
300951CG	KRPA-5AY-120	1393105-1	3	SPDT ^Y	5A @ 120VAC; 3A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	24.55	23.26	21.84	20.06
300960CG	KRPA-5DG-12	1393105-3	3	SPDT	10A @ 240VAC	12VDC	120	100	27E122	27E891	18.15	17.99	17.83	17.35
282440CG	KRPA-5DG-24	1393105-4	3	SPDT	10A @ 240VAC	24VDC	472	51	27E122	27E891	17.65	16.52	15.42	13.95
300986CG	KRPA-11AG-6	2-1393104-8	3	DPDT	10A @ 240VAC	6VAC	6	335	27E122	27E891	16.19	15.72	15.25	14.08
282335CG	KRPA-11AG-12	2-1393104-4	3	DPDT ^G	10A @ 240VAC	12VAC	24	168	27E122	27E891	12.55	11.54	10.99	9.95
282351CG	KRPA-11AG-24	1-1393105-2	3	DPDT ^G	10A @ 240VAC	24VAC	85	84	27E122	27E891	10.79	10.37	9.87	9.10
282343CG	KRPA-11AG-120	2-1393104-5	3	DPDT ^G	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	10.05	9.82	9.55	8.79
300994CG	KRPA-11AG-240	2-1393104-7	3	DPDT ^G	10A @ 240VAC	240VAC	9,110	8.75	27E122	27E891	17.95	17.42	16.88	15.58
301006CG	KRPA-11AN-12	3-1393104-1	3	DPDT ^N	10A @ 240VAC	12VAC	24	168	27E122	27E891	15.15	14.72	14.29	13.20
301014CG	KRPA-11AN-24	3-1393104-3	3	DPDT ^N	10A @ 240VAC	24VAC	85	84	27E122	27E891	17.25	16.50	15.77	14.57
282360CG	KRPA-11AN-120	3-1393104-2	3	DPDT ^N	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	10.89	10.53	10.16	9.35
301031CG	KRPA-11AY-24	3-1393104-7	3	DPDT ^Y	5A @ 120VAC; 3A @ 240VAC	24VAC	85	84	27E122	27E891	15.69	15.24	14.79	13.65
301049CG	KRPA-11AY-120	3-1393104-6	3	DPDT ^Y	5A @ 120VAC; 3A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	11.55	11.05	10.56	10.25
301057CG	KRPA-11DG-6	4-1393104-7	3	DPDT	10A @ 240VAC	6VDC	22	188	27E122	27E891	13.09	12.90	12.70	12.36
282378CG	KRPA-11DG-12	4-1393104-3	3	DPDT ^G	10A @ 240VAC	12VDC	120	100	27E122	27E891	10.75	10.31	9.87	9.10
282386CG	KRPA-11DG-24	4-1393104-5	3	DPDT ^G	10A @ 240VAC	24VDC	472	51	27E122	27E891	12.25	11.65	11.30	10.51
301065CG	KRPA-11DG-48	4-1393104-6	3	DPDT	10A @ 240VAC	48VDC	1,800	26.6	27E122	27E891	16.35	15.79	15.24	14.06
301073CG	KRPA-11DG-110	4-1393104-2	3	DPDT ^G	10A @ 240VAC	110VDC	10,000	11.5	27E122	27E891	13.05	12.47	11.88	10.89
301081CG	KRPA-11DG-125	4-1393104-4	3	DPDT	10A @ 240VAC	125VDC	10,000	11.5	27E122	27E891	16.95	16.40	15.84	14.61
282394CG	KRPA-11DN-24	5-1393104-1	3	DPDT ^N	10A @ 240VAC	24VDC	472	51	27E122	27E891	11.15	10.68	10.21	9.42
301102CG	KRPA-11DN-110	4-1393104-9	3	DPDT ^N	10A @ 240VAC	110VDC	10,000	11.5	27E122	27E891	17.65	17.18	16.71	14.85
301145CG	KRPA-14AN-24	7-1393104-4	3	3PDT ^N	5A @ 120VAC; 3A @ 240VAC	24VAC	85	84	27E123	27E892	14.89	14.69	14.48	14.09
282415CG	KRPA-14AN-120	7-1393104-3	3	3PDT ^N	10A @ 240VAC	120VAC	2,250	17.5	27E123	27E892	13.45	12.88	12.30	11.37
301153CG	KRPA-14AN-240	7-1393104-5	3	3PDT ^N	10A @ 240VAC	240VAC	9,110	8.75	27E123	27E892	21.85	20.68	19.42	18.27
282407CG	KRPA-14AG-120	6-1393104-5	3	3PDT ^G	10A @ 240VAC	120VAC	2,250	17.5	27E123	27E892	11.79	11.20	10.82	9.98
301161CG	KRPA-14AY-24	7-1393104-8	3	3PDT ^Y	5A @ 120VAC; 3A @ 240VAC	24VAC	85	84	27E123	27E892	18.25	17.84	16.75	15.76
301170CG	KRPA-14AY-120	7-1393104-7	3	3PDT ^Y	5A @ 120VAC; 3A @ 240VAC	120VAC	2,250	8.75	27E123	27E892	18.25	17.49	16.72	15.43
301188CG	KRPA-14DG-12	8-1393104-2	3	3PDT	10A @ 240VAC	12VDC	120	100	27E123	27E892	13.95	13.55	13.16	12.21
282423CG	KRPA-14DG-24	8-1393104-4	3	3PDT ^G	10A @ 240VAC	24VDC	472	51	27E123	27E892	12.05	11.57	11.08	10.22
301196CG	KRPA-14DG-48	8-1393104-5	3	3PDT	10A @ 240VAC	48VDC	1,800	26.6	27E123	27E892	20.35	19.26	18.09	17.01
301209CG	KRPA-14DG-110	8-1393104-1	3	3PDT	10A @ 240VAC	110VDC	10,000	11.5	27E123	27E892	15.89	14.39	13.89	12.56
301217CG	KRPA-14DN-24	9-1393104-0	3	3PDT ^N	10A @ 240VAC	24VDC	472	51	27E123	27E892	12.49	11.97	11.44	10.55
282458CG	KUHP-11A51-120	6-1393114-9	4	DPDT	20A @ 120/240VAC	120VAC	1,700	24	—	—	11.09	10.89	10.85	10.75
499374CG	KUMP-14A18-12	8-1393116-3	6	3PDT	15A @ 277VAC	12VAC	18	230	27E121	27E893	19.55	19.04	18.12	14.69
499526CG	KUMP-7A58-24	8-1393116-7	6	DPST NO	15A @ 277VAC	24VAC	72	115	27E121	27E893	18.75	18.27	17.36	12.84

* For sockets see page 205 G = Silver-cadmium oxide, no lamp N = Silver-cadmium oxide with lamp Y = Silver contacts, no indicator lamp 1 = Plain case 2 = with indicator lamp
 ♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional P&B General Purpose Relays, Visit Our Website at www.Jameco.com/Prod/PBGP

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Potter & Brumfield General Purpose Relays (Continued)



Part No.	Product No.	Tyco No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket*		Pricing			
									Standard	DIN Rail	1	10	25	50
499534CG	KUMP-7D58-12♣	8-1393116-9	6	DPST NO	15A @ 277VAC	12VDC	120	100	27E121	27E893	\$16.05	\$15.37	\$14.07	\$13.64
282466CG	KUL-11A15S-120⊕	2-1393115-6	5	DPDT	10A @ 28VDC or 240VAC	120VAC	3,700	30	27E121	27E893	35.65	32.08	31.34	28.88
499585CG	KUP-11A15-24♣	2-1393117-1	6	DPDT	10A @ 28VDC or 240VAC	24VAC	85	84	27E121	27E893	14.45	13.77	12.61	10.67
499569CG	KUP-11A15-120♣	1-1393117-9	6	DPDT	10A @ 28VDC or 240VAC	120VAC	2,250	17.5	27E121	27E893	14.45	13.77	12.61	10.67
499796CG	KUP-11D15-12♣	4-1393117-4	6	DPDT	10A @ 28VDC or 240VAC	12VDC	120	100	27E121	27E893	14.45	13.77	12.61	10.67
499817CG	KUP-11D15-36♣	4-1393117-6	6	DPDT	10A @ 28VDC or 240VAC	36VDC	1,800	26.7	27E121	27E893	15.35	14.97	14.24	11.55
499788CG	KUP-11D15-110♣	4-1393117-3	6	DPDT	10A @ 28VDC or 240VAC	110VDC	10,000	11	27E121	27E893	14.45	13.77	12.61	10.67
282474CG	KUP-14A15-120	7-1393117-8	6	3PDT ¹	10A @ 28VDC or 240VAC	120VAC	1,700	24	27E121	27E893	10.49	10.19	9.89	9.20
282482CG	KUP-14A35-120	8-1393117-7	6	3PDT ²	10A @ 28VDC or 240VAC	120VAC	1,700	24	27E121	27E893	12.49	11.87	11.24	10.06
282503CG	KUP-14D15-24	1-1393118-4	6	3PDT	10A @ 28VDC or 240VAC	24VDC	472	51	27E121	27E893	11.45	10.72	9.99	9.07
282491CG	KUP-14D15-110	1-1393118-2	6	3PDT	500mA @ 28VDC or 155VAC (min)	110VDC	10,000	11	27E121	27E893	\$41.89 10.25	9.73	9.29	8.89
282538CG	R10-E1X4-V185	1-1393766-4	7	4PDT	5A @ 28VDC or 155VAC (max)	12VDC	185	60	27E163	27E461	14.89	14.37	13.84	12.93

* For sockets see page 205 1 = Plain case 2 = with indicator lamp

To Find Additional P&B General Purpose Relays, Visit Our Website at www.Jameco.com/Prod/PBGP



Industrial Relays

T7C Series General Purpose

- SPDT • PCB through hole
- Coil magnetic system: monostable
- Nominal coil power: 360mW
- Contact material: silver cadmium oxide



Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
637642CG	T7CS5D-12♣	12VDC	400Ω	\$1.14	\$1.12	\$1.10	\$1.08

S87R Series Low Cost 20A

- DPDT • Nominal power: 4.5W
- Coil terminal: located perpendicular to switch terminals
- Nominal coil current: 188mA • 0.250" quick connect solder
- Material: silver and silver cadmium oxide
- Expected life: 1 million operations, mechanical; 50,000 operation @ rated load
- Initial breakdown voltage: 1500VRMS, 60Hz



Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
552788CG	S87R11D2B1D124♣	24VDC	12Ω	\$37.35	\$35.57	\$30.63	\$27.55

General Purpose R10-E1Y4 Series

- Coil magnetic system: monostable
- 3-48 mounting stud, socket
- Contact material: fine silver
- Termination: solder terminals
- Contact rating: 3A • Contact form: 4PDT
- Nominal coil power: 500mW



Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
552690CG	R10-E1Y4-V2.5K♣	48VDC	2500Ω	\$16.45	\$15.70	\$14.65	\$14.21



Input/Output Module Relays

- Switch form: SPST-NO
- Isolation: 4,000Vrms, 60Hz
- Capacitance: 8pF typical (input to output)



Part No.	Product No.	Color	Voltage	Resistance	1	10	25	50
637600CG	IAC-5♣	Yellow	5VDC	28KΩ	\$11.05	\$10.52	\$10.02	\$8.82
551822CG	OACM-5H♣	Black	5VDC	220Ω	14.15	13.40	12.73	12.11
282511CG	ODC-5⊕	Red	5VDC	250Ω	9.15	9.00	8.85	7.65
551857CG	ODC-5A♣	Red	5VDC	1000Ω	14.79	14.08	13.28	12.64
551831CG	ODC-15♣	Red	15VDC	1000Ω	11.69	11.11	10.58	9.63
551849CG	ODC-15A♣	Red	15VDC	1000Ω	13.99	13.21	12.64	11.51
551865CG	ODCM-15♣	Red	15VDC	1000Ω	14.75	13.88	13.09	12.35
551873CG	ODCM-uA♣	Red	15VDC	1000Ω	16.15	15.36	14.63	14.22

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S89R Series Bistable, Impulse Relay

- Contact rating: 15A • Nominal power: 9W @ 25°C
- Contact life: 10 million operations; 50,000 mechanical operations
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Dust cover with octal plug-in base • Current: 75mA



Part No.	Product No.	Voltage	Resistance	1	10	25	50
282546CG	S89R11APP1-120⊕	120VAC	260Ω	\$67.65 \$44.95	\$39.34	\$35.68	\$34.17

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBImpulse



Relay Sockets



Relay Sockets for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132CG	27E122⊕	DPDT	8	Standard	\$3.95	\$3.80	\$3.66	\$3.26
282159CG	27E891⊕	DPDT	8	DIN Rail	4.55	4.33	4.16	3.83
282141CG	27E123⊕	3PDT	11	Standard	4.75	4.40	4.05	3.60
282167CG	27E892⊕	3PDT	11	DIN Rail	7.89	7.33	6.77	6.02

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183CG	27E894⊕	4PDT	14	DIN Rail	\$6.75	\$6.48	\$6.20	\$5.51

Relay Sockets for KUP Series (11-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282124CG	27E121⊕	3PDT	11	Standard	\$6.99	\$6.49	\$5.99	\$5.32
282175CG	27E893⊕	3PDT	11	DIN Rail	6.75	6.50	6.25	5.76

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191CG	27E895⊕	DPDT	8	DIN Rail	\$5.59	\$5.19	\$4.79	\$4.42

To Find Additional P&B Sockets, Visit Our Website at www.Jameco.com/Prod/PBRelaySockets



Mounting Boards for Input/Output Module

210 Series

- LED status indicators, plug-in fuses and pull-up resistors
- Screw terminal logic connections
- Screw terminals for field wiring
- UL recognized/CSA certified for 125V max. w/ 5A fuses; 250V max w/ #22 AWG solid copper jumper wires



Part No.	Product No.	I/O channels	Module Positions	1	10	25	50
497109CG	2104A♣	4	4	\$37.45	\$34.27	\$32.36	\$31.10
497117CG	2104B♣	4	4	37.45	34.27	32.36	31.10
497125CG	2104C♣	4	4	37.69	35.89	34.17	32.53

P&B CDB Series CMOS IC Time Delay Relay

- Initial dielectric strength: between open contacts – 500V_{RMS}, 60Hz; between other contacts – 500V_{RMS}, 60Hz
- Timing ranges: 0.1 seconds to 180 seconds
- Timing adjustment: knob type • DPDT
- Release and recycle time: 45ms typical; 60ms max.
- Contact material: silver-cadmium oxide alloy
- Contact rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 10,000 operations min. @ rated load

Power requirement: AC or DC – typically less than 3W

Part No.	Product No.	Voltage	Time (sec)	Pins	1	10	25
497299CG	CDB-38-70004	120VAC	0.6 – 60	8	\$200.15	\$178.70	\$173.05



P&B CNM5 Series Multi-Function Time Delay Relay

- For plug-in or panel mount • DPDT
- Digital adjustment via thumbwheel switches
- Timing ranges: 0.1 – 99.9/1 to 999 seconds; 0.1 – 99.9/1 to 999 minutes; 0.1 – 99.9/1 – 999/10 – 9,990 hours
- Reset time (power interruption): 45ms typical; 60ms max.
- Initial dielectric strength: between output poles – 1500V_{RMS}, 60Hz; between input and output – 1500V_{RMS}, 60Hz
- Contact material: silver-cadmium oxide alloy
- Contact rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operation min. @ rated load
- 1/16 black plastic case • Transient protection: 13 joules MOV

Power requirement: 3W @ 120VAC

Part No.	Product No.	Voltage	Pins	1	10	25
497344CG	CNM5	120VAC	11	\$66.95	\$62.43	\$60.54



P&B CNS Series Multifunction Time Delay Relays

- DPDT • Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000V_{RMS}, 60Hz between open contacts; 1,500V_{RMS}, 60Hz between all other conductors

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Timing Functions	Pins	1	10	25
497352CG	CNS-35-72	120VAC	4	8	\$67.39	\$59.79	\$57.12
282212CG	CNS-35-92	24-240VAC/VDC	4	8	\$67.89	\$62.23	\$56.57
282221CG	CNS-35-96	24-240VAC/VDC	8	11	\$79.05	\$75.46	\$71.87



P&B CNT Series Multifunction, Digital Time Delay Relay/Counter

- Digital adjustment via thumbwheel switches
- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second
- Rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operations min. at rated load
- Dielectric strength: 1,000V_{RMS}, 60Hz between open contacts; 1,500V_{RMS} between all other contacts • 11-pin octal style plug • DPDT

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 24VAC/VDC

Part No.	Product No.	Voltage	1	10	25
497432CG	CNT-35-26	120VAC	\$98.85	\$86.96	\$80.43
282239CG	CNT-35-96	24-240VAC/VDC	\$92.25	\$89.97	\$87.17



P&B DIN Rail Mount Socket and Track Mounting System

For use with KHAU, KUP, and K10 series DIN relay sockets

- 282204CG: End clip insulator for preventing sockets from moving sideways or sliding off track
- 282108CG: Steel mounting clip with #6-32 screw (7/16")



Part No.	Product No.	Description	1	10	25	50
282204CG	40G432	Mounting plastic insulator	\$0.62	\$0.61	\$0.60	\$0.58
282108CG	24A071	Steel mounting clip	\$0.53	\$0.52	\$0.51	\$0.50
282116CG	24A110	36" mounting track	\$10.15	\$9.59	\$9.03	\$8.28

To Find Additional P&B DIN Rail Products, Visit Our Website at www.Jameco.com/Prod/PBDIN

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◆ RoHS compliant product ◆ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

P&B CS Series Solid State Hybrid Voltage Sensors

- Power requirements: typically less than 3W
- Continuous duty cycle
- Internal contact arrangement: DPDT
- Internal relay contact rating: 10A @ 28VDC resistive; or 120VAC
- Reverse polarity protection on DC types
- 8-pin octal style plug, plastic dust cover

Fixed pick-up and adjustable drop-out

Part No.	Product No.	Pick-up Voltage	Drop-out Voltage	Max. Voltage	1	10	25
497491CG	CSJ-38-71010	105	90-103	140VAC	\$141.49	\$124.49	\$111.15

497491CG

497504CG



Adjustable pick-up and adjustable drop-out

Part No.	Product No.	Pick-up Voltage	Drop-out Voltage	Max. Voltage	1	10	25
497504CG	CSL-38-30010	20-30	18-28	32VDC	\$152.65	\$134.29	\$119.89



DC Input Module

- Fast switching polarized input types
- UL/CSA/CE certified • Optical isolation
- Output current range: 1 – 50 mA
- Min. output breakdown voltage: 50VDC
- Isolation voltage: 4000V_{RMS}
- Max. input voltage: 32VDC
- Max. pick-up voltage: 3VDC • Max. drop-out voltage: 1VDC
- Input current @ max. input voltage: 18mA • Nominal logic voltage: 5
- Max. logic supply current @ nominal Vcc: 10mA

Part No.	Product No.	Input Voltage Range	Resistance	1	10	25
469423CG	70M-IDC5	3-32VDC	1.8kΩ	\$8.59	\$8.15	\$7.74



DC Output Modules

- Transient protection: meets the requirements of IEEE-472 "Surge Withstanding Capability Test"
- Contact arrangement: SPST NO
- Load current range: STD-70 series – 0.02 to 3.5A; Mini 70M series – 0.02 to 3A
- UL/CSA/CE certified
- Nominal logic voltage: 5Vcc • Optical isolation
- Surge current for 1 second: 5A • Isolation voltage: 4000V_{RMS}
- Max. reverse logic voltage: -5VDC • Min. drop-out voltage: 1VDC

Part No.	Product No.	Max. Logic Supply Current	Max. Line Voltage	Clamping Voltage	1	10	25
469431CG	70M-ODC5	14mA	60VDC	80VDC	\$11.59	\$11.00	\$10.45
469440CG	70M-ODC5A	18mA	200VDC	360VDC	\$19.49	\$18.52	\$17.59
469466CG	70-ODC5	14mA	60VDC	80VDC	\$11.59	\$11.00	\$10.45



See Complete Grayhill I/O Modules Offering at www.Jameco.com/Prod/GrayhillModules



Dry Contact & Mechanical Relay Output Module

- Contact arrangement: SPST NO
- Max. current rating: 10W
- Min. drop-out voltage: 2.5VDC
- Max. contact resistance: 250mΩ
- Max. off-state leakage current: 0.002mA
- Nominal logic voltage: 5Vcc
- UL, CSA certified • 1500VAC optical isolation
- Built-in status LED • Max. rev. logic voltage: -5VDC

Part No.	Product No.	Max. Logic Supply Current	Max. Line Voltage	Nom. Input Resistance	1	10	25
469458CG	70M-ODC5R	10mA	100VDC/120VAC	50Ω	\$20.05	\$19.02	\$18.07



Commercial Customers

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crydom Series IDC DC Input Modules

- Nominal input voltage: 24VDC
- Input voltage range: 10 – 36VDC
- Max. input current: 16mA DC
- Nominal logic voltage: 5VDC
- Logic voltage range: 1.5 – 6VDC
- Typical logic supply current: 10mA DC
- Max. logic supply current: 18mA DC
- Max. output voltage: 30VDC
- Isolation: 4000V_{RMS}



- Max. output current: 50mA DC
- UL/CSA/CE approved

Part No.	Product No.	Description	1	10	50	100
479533CG	IDC5BQ	Quad DC input module	\$51.35	\$40.90	\$38.72	\$36.78
479550CG	IDC5Q	Quad DC input module	44.55	42.33	40.31	38.37
479541CG	IDC5D	Dual DC input module	8.15	6.50	6.18	5.90

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomIDCModules

crydom Solid State Relays

Series SDV/SDI Solid State

- Operating voltage range: 12 – 128V_{RMS}
- Insulation resistance (min.) @ 500VDC: 10⁹Ω
- Max. capacitance, input-output: 2pF
- Load current range: 0.025 – 1.5A_{RMS}
- Transient over voltage: 600Vpk
- Max. surge current: 30Apk



- Dielectric strength: 3750V_{RMS}

SDV Series:

- Control voltage range: 3.5 – 10VDC
- Typical input current @ 5VDC: 15mA DC
- Must turn-on voltage: 3.5VDC

- Nominal input impedance: 270Ω

SDI Series:

- Control current range: 10 – 35mA
- Must turn-on current: 10mA

- Must turn-off current: 1mA

Part No.	Product No.	Description	1	10	50	100
480913CG	SDV2415	0 voltage relay	\$7.65	\$6.91	\$6.56	\$6.25
480921CG	SDV2415R	Random voltage relay	9.45	7.56	7.14	6.85
480892CG	SDI2415	0 voltage relay	9.45	7.56	7.19	6.85
480905CG	SDI2415R	Random voltage relay	9.09	8.27	7.88	7.49

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomSSPCBS

Series 3 AC output Solid State

- Control voltage range: 3.5 – 8VDC
- Nominal input impedance: 200Ω
- Typical input current @ 5VDC
- Output operating voltage range: 20 – 140V_{RMS}
- Load current range: 0.15 – 3.0A_{RMS}
- Transient over voltage: 600Vpk
- Max. surge current: 55Apk
- Max. capacitance: 8pF
- Insulation resistance (min.) @ 500VDC: 10⁹Ω



- Dielectric strength: 4000V_{RMS}
- UL/CSA/VDE approved

Part No.	Product No.	Description	1	10	50	100
480876CG	S3012A	AC output relay w/ snubber	\$24.85	\$18.17	\$17.64	\$16.78

Series T Quad Solid State



- Triac output
- Industry standard package
- Random turn-on, phase controllable
- Max. turn-on voltage: 4VDC
- Nominal input impedance: 330Ω
- Max. capacitance input/output: 10pF
- Insulation resistance (min.) @ 500VDC: 10⁹Ω
- Panel mount
- Dielectric strength: 2500V_{RMS}
- Control voltage range: 4-15VDC
- Min. turn-off voltage: 1VDC
- Typical input current: 12mA @ 5VDC

Part No.	Product No.	Op. Voltage (V _{RMS})	Max. Load Current (A _{RMS})	1	10	50	100
481019CG	TD2420Q-10	24-280	0.15-20	\$84.55	\$76.64	\$72.94	\$69.68

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomPanelSS

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

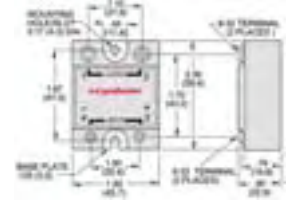
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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

crydom Solid State Relays (Continued)

Series T Solid State

- Zero voltage switching
- Internal snubber
- Dielectric strength 50/60Hz input/output/base: 4000V_{RMS}
- Insulation resistance (min.) @ 500VDC: 10⁹Ω
- Max. capacitance input/output: 8pF
- Encapsulation: Thermally conductive epoxy
- Terminals: screws and saddle clamps
- 600V transient capability
- Panel mount
- Triac output



DC control input specifications:

- Control voltage range: 3-32VDC
- Max. turn-on voltage: 3VDC
- Nominal input impedance: 1500Ω
- Typical input current: 3mA @ 5VDC; 20mA @ 28VDC
- Max. reverse voltage: -32VDC
- Min. turn-off voltage: 1VDC

AC control input specifications:

- Control voltage range: 90-280V_{RMS} (60Hz)
- Nominal input impedance: 60kΩ
- Typical input current: 20mA @ 120V_{RMS}; 4mA @ 240V_{RMS}
- Max. turn-on voltage: 90V_{RMS}
- Min. turn-off voltage: 10V_{RMS}

DC Control

Part No.	Product No.	Op. Voltage (V _{RMS})	Max. Load Current (A _{RMS})	1	10	50	100
480972CG	TD1210	24-140	10	\$25.49	\$24.31	\$23.11	\$21.35
480981CG	TD1210B	24-140	10	31.49	28.76	27.39	25.99
480999CG	TD1225	24-140	25	33.05	26.47	25.17	24.06
481001CG	TD2410	24-280	10	26.15	24.92	23.68	21.89
481027CG	TD2425	24-280	250	26.39	25.17	23.97	22.11
481035CG	TD2425B	24-280	25	32.55	29.78	28.27	26.88

AC Control

Part No.	Product No.	Op. Voltage (V _{RMS})	Max. Load Current (A _{RMS})	1	10	50	100
480956CG	TA2410	24-280	10	\$34.29	\$25.08	\$24.34	\$23.12
480964CG	TA2425	24-280	25	28.15	25.57	24.81	23.52

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Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate



Part No.	Product No.	Current Rating	1	10	50	100
621368CG	35-2104	4A @ 125/250VAC	\$4.75	\$3.69	\$3.49	\$3.29
621376CG	35-2105	5A @ 125/250VAC	4.75	3.69	3.49	3.29
621384CG	35-2106	6A @ 125/250VAC	4.75	3.69	3.49	3.29
621392CG	35-2107	7A @ 125/250VAC	4.75	3.69	3.49	3.29
621405CG	35-2018	8A @ 125/250VAC	4.75	3.69	3.49	3.29
621413CG	35-2110	10A @ 125/250VAC	4.75	3.69	3.49	3.29
621421CG	35-2112	12A @ 125/250VAC	4.75	3.69	3.49	3.29
621430CG	35-2115	15A @ 125/250VAC	4.75	3.69	3.49	3.29
621448CG	35-2120	20A @ 125/250VAC	4.75	3.69	3.49	3.29
621456CG	35-2125	25A @ 125/250VAC	4.75	3.69	3.49	3.29
621464CG	35-2130	30A @ 125/250VAC	4.75	3.69	3.49	3.29



Universal Circuit Breakers

Function identically as OEM breakers but offer the versatility of snap off terminals for greater flexibility. SAE Type II modified reset used primarily as a wiring harness protector in 12 volt DC automotive systems. Conforms to SAE J553C standard. For mounting in ATO style fuse blocks and panels.



Part No.	Product No.	Amp Rating	1	10	25	50
638194CG	UCB15BP	15	\$5.99	\$5.69	\$5.39	\$5.09
638207CG	UCB20BP	20	5.99	5.69	5.39	5.09
638215CG	UCB30BP	30	5.99	5.69	5.39	5.09

To Find Additional Littelfuse Breakers, Visit Our Website at www.Jameco.com/Prod/Littelfuse

PB W58 Series Thermal Circuit Breakers

- Max. operating voltage: 50VDC; 250VAC 50/60Hz
- Interrupt capacity: 2,000A @ 50VDC; 1,000A @ 250VAC 50/60Hz
- Endurance cycling: >1,000 operations @ 200% of rating
- Dielectric strength: >1,500V_{RMS}
- Push button to reset breaker



Part No.	Product No.	Amp	Resistance	1	25	50	100
282562CG	W58-XB1A4A-10	10	0.014	\$3.39	\$3.19	\$2.99	\$2.79
282571CG	W58-XB1A4A-15	15	0.010	3.39	3.19	2.99	2.79
282589CG	W58-XB1A4A-20	20	0.006	3.39	3.19	2.99	2.79
282597CG	W58-XB1A4A-30	30	—	3.39	3.19	2.99	2.79

See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers

See pages 204 – 210 for our complete selection of Relays

PB Thermal Circuit Breakers

W23/W33 Series Toggle or Push/Pull Actuator

- 0.5 to 50 amp ratings may be used as on/off switch
- Cannot be reset against overload
- Max. operating voltage: 50VDC or 250VAC to 400Hz
- Dielectric strength: over 1500V_{RMS}



W33 Series

W28 Series Switchable or Push to Reset

- Rocker on switchable model moves to "overload" position upon trip
- Approved to many international standards (push to reset type)
- Max. operating voltage: 32VDC, 250VAC to 50/60Hz
- Dielectric strength: over 1500V_{RMS} • Fuseholder type



W28 Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers

crydom Power Modules



B-2T Series



F18 Series



M50 Series

B-2T/B-2 Series SCR/Diode Module

- 25-42.5 amp • For AC/DC voltage to 15kW

F18 Series SCR/Diode Module

- 25-105 amp • Power control building blocks

L3/L5/L6 Series SCR/Diode Module

- 15-42.5 amp • Low profile

M50 Series SCR/Diode Module

- 50-100 amp • Over 40kW output capability

M50 Diode Series Diode Module

- 60-100 amp • High surge current rectifier circuits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Power Module Offering at www.Jameco.com/Prod/CrydomPower

crydom Auxiliary Modules



LPCV Series



PCV Series



RPC Series

CPV Series Phase Control Module

- 120 & 240VAC models • 0-5VDC phase control

LPCV Series Linear Proportional Load Controller

- 0-5VDC, 0-10VDC, 4-20mA input control modules

- Optically isolated

PCV Series Analog Input Power Controller

- SCR output • 15-90 Amp

- 100-240V_{RMS} • AC proportional output

- 2-7VDC and 2-10VDC

RPC Series Solid State Proportional Controller

- SCR output • 15-40 Amp

- 120/240/480V_{RMS} • AC proportional output

- 500k or 1M Ω potentiometer control

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Auxiliary Modules Offering at www.Jameco.com/Prod/CrydomAux

Relay Socket with Coil Diode

VF4 Type

- 12 AWG: 2 black & 1 blue wire;
- 18 AWG: 1 black & 1 red wire
- Contact voltage/current: 12V/20A
- Use with P/N 148582CG, pg. 208
- Diode coil suppression
- 7.5" wire



OMRON G7L Series Power Relay

- Rating: 24VDC @ 79mA
- Contact rating: 20A-220VAC
- Coil resistance: 303 Ω
- Contact resistance: 50m Ω max.
- 0.250" quick connect terminals
- Insulation resistance: 1,000M Ω min. (@500VDC)
- Dielectric withstanding voltage: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity • SPST-NO



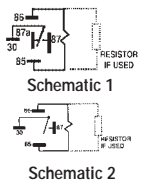
Part No.	Product No.	1	10	50
454571CG	G7L-1A-TUB-CB-DC24 ...	\$9.95	\$8.95	\$8.05

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A • Terminal type: quick connect
- Coil voltage: 12VDC except P/N 171521CG (5VDC)
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H

Blue Part No. = Limited Quantity Available



171432CG (Fig. 1)



171441CG (Fig. 2)



171459CG (Fig. 3)

Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Contact Voltage	Pins	Pricing			
									1	10	50	100
171459CG	LD1A-12F	VF4-81F11S01	3	SPST-NO	78	2	14VDC	4	\$1.89	\$1.75	\$1.55	\$1.29
171441CG	961A-1A12D	VF4-11F11	2	SPST-NO	90	2	14VDC	4	2.35	2.20	2.14	2.09
171521CG	LD5F	VF4-45D11	1	SPDT	14	1	5VDC	5	1.69	1.35	1.08	1.05
148582CG	LD12F	VF4-85F11	1	SPDT	78	1	12VDC	5	2.49	2.25	1.95	1.75
171432CG	961A-1C-12DM	VF4-81F11	1	SPDT	90	1	12VDC	5	2.99	2.69	2.25	1.65

PB PRD Series Heavy Duty Open Relay

- SPDT • Voltage: 120VAC
- Contact rating: 25A @ 277VAC
- Current: 85mA
- Nominal power: -9.8W @ 25°C
- Resistance: 290 Ω
- Expected life: 100,000 operations at rated load
- Auxiliary snap action switch rating: 5A @ 120VAC, 60Hz
- Initial breakdown voltage: 2,000V_{RMS} min. between all elements and ground



Part No.	Product No.	1	10	25
282520CG	PRD-5AY0-120	\$20.85	\$20.08	\$19.31

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBOpen

PB Power PC Board Relays



T9A Series



T90 Series



T92 Series

T9A Series DC Coil

- Up to 30 amp switching in SPST & 20 amp in SPDT arrangements • Voltage: 5 to 110VDC
- Nominal coil power: 1.0W or 900mW (approx.)
- Maximum coil power: 2.8W

T90 Series DC Coil

- Up to 30 amp switching in SPST & 20 amp in SPDT arrangements • Voltage: 5 to 110VDC
- Max. coil power: 2.8 Watt

T92 Series DC Coil

- 30A DPST-NO and DPDT switching capabilities
- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- Voltage: 12-110VDC & 12 to 277VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Power PC Relays Offering at www.Jameco.com/Prod/PBPowerPCB

Over 99% of Our Catalog
Products Are In Stock

Place your order by 6PM EST
for same business-day shipment.

Small High-Current PC Mount Relays

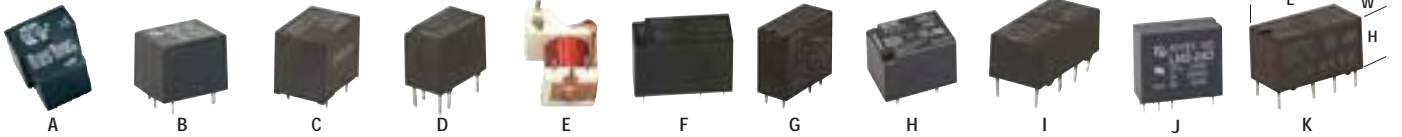
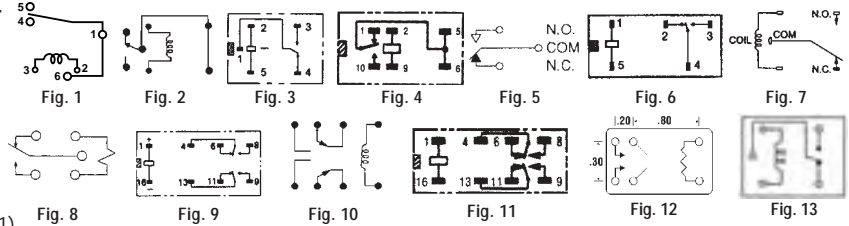
While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.















- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500Vrms (between contact and coil)

104926CG: Open frame relay

129349CG: Immersion cleanable, plastic sealed case

144186CG: For use with universal relay card (P/N 128910CG, pg 341)






Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
145752CG	L90A-12W 	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	\$2.45	\$2.10	\$1.85	\$1.49
134949CG	L90-5W 	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.49	2.15	1.93	1.65
174449CG	LU-5 	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	\$1.79 1.65	1.49	1.19	<u>.89</u>
187151CG	G5LE-1DC5 	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.49	1.30	1.15	1.09
187240CG	G5V-1-DC5 	Omron	—	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.05	1.79	1.59	1.50
104926CG	733SPDT12VDC 	Song Chuan	T90N5D12-12	1E	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x 1.0 x .75	\$1.89 1.69	1.52	1.22	1.04
129349CG	832-IC-S 	Song Chuan	T90S5D12-12	1A	SPDT	12VDC	155	277VAC/28VDC	20A/10A	6	1.2 x 1.0 x .75	\$2.15 1.59	1.43	1.29	1.15
664309CG	JW1FSN-DC12V	Nais (Aromat)	—	5F	SPDT	12VDC	270	250VAC/30VDC	10	5	1.13 x .51 x .79	1.89	1.70	1.49	1.29
186669CG	G2R-14-DC12 	Omron	—	6G	SPDT	12VDC	275	250VAC/30VDC	10A	5	1.2 x .51 x 1.0	2.99	2.85	2.69	2.67
172937CG	JS1-12V	Nais (Aromat)	T72M5D121-12	7H	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.09	.99	.89	.75
144186CG	JZC-22F 	Velleman	VR15M121C	8B	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174431CG	LEG-12F 	Rayex	T7CSSD12	8B	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.49	1.29	1.19	1.09
184461CG	G5V-1-DC12 	Omron	—	4D	SPDT	12VDC	960	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.39	1.93	1.71	1.63
187282CG	G6A-234PSTUSDC5 	Omron	—	9I	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	3.85	3.66	3.49	3.40
174377CG	LM2-12D 	Rayex	RKA5DZ12	10J	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258CG	G5V-2-DC12 	Omron	—	11K	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.49	2.28	2.02	1.82
215909CG	RKA-7DZ-12	P & B	—	12G	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39
454563CG	KLTC12DC9	Hasco	—	13B	SPDT	9VDC	225	120VAC/28VDC	12	5	0.73 x .59 x 0.61	2.29	1.95	1.69	1.39

*Manufacturer may vary

General Purpose Relays




LB2 Series

- Contact rating: 240VAC/30VDC @ 12A • DPDT
- Mechanical life: 10,000,000 operations • 8-pin
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172718CG	LB2-12DS 	K10-11D15-12	12VDC	\$4.99	\$4.49	\$3.99	\$3.59
175564CG	LB2-24DS 	K10-11D15-24	24VDC	\$5.99	\$5.49	\$4.93	4.49
175572CG	LB2-110AS 	K10-11A15-120	110VAC	6.25	5.62	4.50	<u>3.37</u>



LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations • 4PDT
- Contact rating: 240VAC/30VDC @ 5A • 14-pin
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291506CG	LB4H-12DS 	KHAU-17D12-12	12VDC	\$4.45	\$4.33	\$4.20	\$4.03
175601CG	LB4H-24DS 	KHAU-17D12-24	24VDC	5.09	4.93	4.77	<u>3.58</u>
175610CG	LB4H-110AS 	KHAU-17A12-120	110VAC	4.69	4.58	4.47	4.24


Relay Socket

- DIN rail snap socket for LB2 & LB4H relays

Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175530CG	PTF-08A-A 	27E895	8	\$5.95	\$5.39	\$4.85
175556CG	PYF-14A-A 	27E894	14	3.95	3.35	<u>2.51</u>

KHAU Type Relay

- Insulation resistance: 1,500MΩ @ 500VDC • 4PDT • 14-pin
- Life: (mechanical) 10,000,000 operations; (electrical) 100,000 operations min. at rated load • Contact rating: 220VAC/24VDC @ 5A



Part No.	Cross Ref. No.	P & B Cross Ref.	Coil Voltage	1	10	25	50
183011CG	GM4PDT12DF 	KHAU-17D12-12	12VDC	\$7.59	\$6.83	\$5.46	\$5.15

Beta Electric General Purpose Relays



Pin Type Terminals

- DPDT • 8-pin octal style plug
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient operating temp.: -10°C to +50°C
- Size: 1.4"L x 1.4"W x 2.7"H

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766CG	BTA1-2C-12VDC 	R02-11D10-12	12VDC	\$9.29	\$7.90	<u>\$5.93</u>
139740CG	BTA1-2C-120VAC 	R02-11A10-120	120VAC	9.95	8.79	7.99


BTA1 Series Sockets (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145CG	PF-083A 	8	2.0"L x 1.6"W x 0.8"H	\$3.99	\$3.65	\$2.99
141153CG	PF-113A 	11	2.0"L x 1.7"W x 1.2"H	4.65	3.95	<u>2.96</u>

BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.

- Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A
- Ambient temperature operating: -30°C to +50°C
- Size: 1.5"L x 1.4"W x 2.2"H • 3PDT • 11-pin

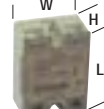
Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139854CG	BTA2-3C-24VDC 	R10-14D10-24	24VDC	\$8.69 \$7.85	\$6.67	<u>\$5.00</u>

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Zero crossing

176698CG
(Fig. 1)153058CG
(Fig. 2)192815CG
(Fig. 3)162342CG
(Fig. 4)176735CG
(Fig. 5)187004CG
(Fig. 6)164996CG
(Fig. 7)127790CG
(Fig. 8)

Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing			
													1	10	50	100
Solid State Relays DC/AC Type																
164988CG	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	\$3.95	\$3.49	\$2.95	\$2.25
164996CG	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	4.95	4.45	3.56	2.67
153058CG	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	9.95	8.95	7.53	6.12
162342CG	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.95	14.39	12.95	11.65
162369CG	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	21.95	19.79	17.79	16.05
162406CG	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	22.99	20.69	18.69	16.79
105081CG	615-8500	Teledyne	5-10VDC	DC/AC	SPST	250VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.99	14.39	12.99	11.69
192815CG	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	3	Screw Terminal	—	1.8 x 0.6 x 2.3	18.99	17.32	15.75	14.99
175214CG	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 1.5	5.95	5.69	5.32	5.05
127790CG	D2W202F	Crydom	3-32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	7.19	6.75	6.73	6.71
176698CG	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	9.99	8.99	7.99	7.19
176719CG	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59
176735CG	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15
204441CG	TD2420Q	Crydom	4-15VDC	DC/AC	4PST	280VAC	20A	13	—	Solder Lead	UL/CSA	2.3 x 1.8 x 0.9	56.95	51.25	43.59	32.69
186992CG	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004CG	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	17.95	15.59	13.24
Solid State Relays DC/DC Type																
172591CG	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	\$9.95	\$8.95	\$7.95	\$6.95
175222CG	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	1	Solder Lead	—	1.5 x 0.3 x 0.9	11.95	11.25	10.25	9.22
176647CG	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	26.99	24.29	21.79	19.59
176655CG	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89

▲ Pull = Extra Savings

● Blue Part No. = Limited Quantity Available

DIP Relays

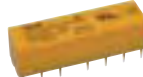
- Logic control levels
- Long life with reliable operation
- Moisture resistant
- Compatible with IC sockets
- Compact design/construction
- Excellent for PCB applications



106462CG



99901CG



206543CG

Fig. 1

Fig. 2

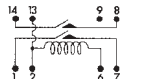
Fig. 3



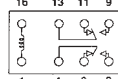
Schematic 1



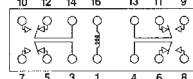
Schematic 2



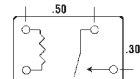
Schematic 3



Schematic 4



Schematic 5



Schematic 6

Part No.	Product No.	Manufacturer	Contact Schem.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Fig.	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing			
														1	10	50	100
106462CG	201A05	Excel Cell Elect.	1	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	\$2.15	\$1.81	\$1.52	\$1.25
138430CG	2D1A05	Excel Cell Elect.	2	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.29	1.95	1.65	1.34
215896CG	OJE-SS-109LMF	OEG	6	SPST-NO	9VDC	400	250VAC/30VDC	3A/3A	4	—	1	.71 x .39 x .57	.50 x .60 x .30	2.29	1.95	1.69	1.39
106472CG	201A12	Excel Cell Elect.	1	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	2.29	1.95	1.65	1.24
138448CG	2D1A1200	Excel Cell Elect.	2	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.25	1.95	1.75	1.49
138456CG	202A05	Excel Cell Elect.	3	DPST-NO	5VDC	140	100VDC	0.5A	8	37161	3	.77 x .30 x .28	.10 x .40 x .30	2.89	2.48	2.08	1.56
139977CG	RSB5S	Shin Mei	4	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37372	1	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311CG	DS2Y-S-DC12V	Aromat (NAIS)	4	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.49	2.31	2.05	1.75
99901CG	LX200D00	Clare	4	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
99320CG	LM12E00	NEC	4	DPDT	24VDC	1110	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.95	2.69	2.39	2.15
136549CG	DS4E-M-DC5V	Aromat	5	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	5.49	4.95	4.45	4.05
206543CG	DS4E-S-DC5V-1C-N137	Aromat	5	4PDT	5VDC	125	250VAC/220VDC	2A	14	112299	2	1.40 x .40 x .42	.20 x .30 x .30	3.79	3.45	3.15	2.85
176313CG	DS4E-M-DC12V	Aromat	5	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	5.79	5.21	4.61	4.01

● Blue Part No. = Limited Quantity Available

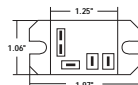
T9A Series Relay

Low Cost PC Board or Panel Mount Only

- Contact form: SPDT
- Contact current: 20A/10A
- Coil voltage: 12VDC
- 5-pin
- Contact volt.: 240VAC/28VDC
- Coil: 155Ω
- Terminal type: 0.1" disconnect (2); 0.25" disconnect (3)

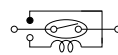
● Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	P & B Cross Ref.	Dimensions (LxWxH)	1	10	50	100
137357CG	953-IC-12DM	T9AS5D52-12	2.0" x 1.6" x 1.8"	\$2.55	\$2.45	\$2.19	\$1.75



Reed Type Relay

- Manufacturer: Bestar
- Contact form: SPST-NO
- Coil voltage: 12VDC
- Coil: 1050Ω
- Contact voltage: 120VAC/60VDC
- Contact current: 0.1A
- Dielectric strength: 1500VDC (between contact and coil)
- 4-pin
- Operating temperature: -30°C to +60°C
- Terminal type: PCB solder



Part No.	Cross Ref. No.	Dimensions	1	10	50	100
111448CG	RC108T	1.0"L x .37"W x .38"H	\$.98	\$.89	\$.81	\$.74

● RoHS compliant product

● This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

24VDC Liquid Level Sensor

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

- Empty type
- Diameter: 1.0"
- Overall Length: 3.9"
- Travel Distance: 2.0"



Part No.	Description	1	10	25
176250CG	Sensor empty type	\$7.39	\$6.70	\$6.09

Fujikura -1.1 to 2.5 PSI Pressure Sensor

- Measurable pressure range: -1.1 to 2.5 PSI
- Maximum load pressure: twice rated pressure
- Operating volt.: 5V @ <10mA
- Maximum excitation voltage: 8V
- Pressure type: gauge pressure
- Pressure media: non-corrosive gas
- On-chip amplification and temp. compensations
- Pre-calibration of offset voltage and span
- 1/8" diameter tubing is applicable
- Size: .55"L x .47"W x .20"H



Part No.	Product No.	1	10	100
196103CG	XFPN-025-KPGRNW1	\$24.95	\$21.25	\$15.95

0 to 1.45 PSI Pressure Sensor

- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- Maximum pressure (P_{MAX}): 75kPa (10.875 PSI)
- Operating volt. (typical): 3VDC @ 6mA
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)



Part No.	Product No.	1	10	100
218827CG	MPX10GS	\$8.99	\$7.99	\$7.19

Making Sense of Sensors

Choosing proximity switch sensors may seem like a trivial process... but the implications can be crucial to your product's success.



For instance, the maximum distance spec'd between the magnet and sensor may significantly affect a product's performance. Too great a distance and a burglar can defeat an alarm trigger. Too little a distance and the installer cannot adequately position the components.

Make sure you fully understand your application, the users and those that benefit from the product. Then make sure you spec your equipment to best meet their needs. At the end of the day, your business will benefit.

Practical Practices

Money Saving Tips for the Engineer

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin)
- Short circuit protected
- Pre-tinned pigtail
- Fast response
- LED status indicator
- 6' long cable



Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.)	Mounting Hole (in.)	Pricing		
							1	10	25
155547CG	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$9.95	\$8.95	\$7.95
167020CG	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858CG	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.99	17.99	15.99
155571CG	TS18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	24.95	22.46	20.21
421147CG	CS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	24.69	22.22	20.00
421155CG	CS12-05N-1	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	25.25	22.72	20.45
421163CG	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	30.95	27.83	25.05
421171CG	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	31.29	28.17	25.35
421180CG	CS30-10N-1	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	34.95	31.45	28.30
421198CG	CS30-15N-1	—	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	42.09	37.89	34.10
421201CG	TS12-05N-1	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	21.45	19.28	17.35
421219CG	TS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	26.95	24.26	21.83
421227CG	TS30-10N-1	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.40"	1.40	36.29	32.67	29.40
421235CG	TS30-15N-1	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	36.79	33.11	29.80
421243CG	S17-05N-1	NPN	0-4.0mm	17 x 17 x 1	1.1" x 0.66"	0.98	13.59	12.22	11.00
421251CG	S25-07N-1	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	24.75	21.12	19.01

Photo Electric Sensors

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.)	Mounting Hole (in.)	1	10	25
421260CG	WE-T3AD	NPN	0-5.0m	≥8mm Dia.	2.6" x 0.708"	.710	\$73.35	\$66.00	\$59.40
421278CG	WE-M3D	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	.710	50.95	43.48	39.13
421286CG	WE-R3AL	NPN	0-200mm	—	2.6" x 0.708"	.710	49.19	42.00	37.80
421294CG	WE-R3BL	NPN	0-80mm	15-44mm	2.6" x 0.708"	.710	49.19	42.00	37.80
421307CG	WE-U3L	NPN	10-30mm	18-22mm	2.6" x 0.708"	.710	54.19	48.78	43.90

* Dark-on † Light-on



Magnetic Proximity Switch Sensors

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Contact resistance: 100mΩ max. initial
- Operating temperature: -40°C to 100°C
- Dielectric strength: 200VDC min.
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Potting: epoxy
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive



Part No.	Product No.	Description	1	10	100
588131CG	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	\$9.25	\$8.48	\$7.27
588123CG	MPS20WGW	Standard surface mount, screw terminals, 1 1/2" make gap	10.59	9.71	8.32
588182CG	MPS9WGW	3/8" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch and magnet)	8.35	7.64	6.55
588174CG	MPS95WGW	3/8" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch)	7.45	6.78	5.82
588140CG	MPS70WGW	3/4" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch and magnet)	8.95	8.20	7.03

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz \pm 1.0kHz
- Aluminum case

136653CG:

Transmit/Receive Set

- Capacitance: 2000pF \pm 30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40 \pm 1.0kHz
- Lead length/spacing: 0.39"
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40 \pm 1.0kHz (R=3.9k Ω)
- Case size: 0.47"H x 0.62" Dia.



136653CG

139491CG: Transmit/Receive Set

- Capacitance: 2000pF \pm 20%
- Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 \pm 1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 \pm 1.0kHz (R=3.9k Ω)
- Case size: 0.30"H x 0.43" Dia.



139491CG

Part No.	Mfg. P/N	1	10	50
136653CG	40TR16F	\$6.95	\$6.29	\$5.65
139491CG	40TR12B	6.95	6.29	5.65

Latched Hall-Effect Sensor

- SP (south pole): on
- NP (north pole): off
- Supply voltage: 3-20V
- Supply current: 4mA
- Output current: 20mA
- Max. operating point: \leq 130
- Max. release point (gauss): \leq 130

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	1	10	100	1000
174043CG	HI-300	\$.95	\$.86	\$.77	\$.59



Digital Hall-Effect Proximity Sensors

MP1021 Series

- Plastic flange-mount housing
- Supply current: 12mA max.
- Operating voltage range: 4.5-24VDC
- Output current: 25mA max.
- Output saturation voltage: 500mV max.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our MP1021 Series Proximity Sensors Offering at www.Jameco.com/Prod/CherrySensors



Actuator Magnet Speed and Proximity Sensor

- Aluminum housing
- Adjustable thread mounting stud
- Operating temp. range: -40°C to 150°C



482388CG

Part No.	Product No.	Description	1	10	100
482370CG	AS101001	South pole facing	\$4.89	\$4.34	\$3.61
482388CG	AS101002	North pole facing	3.65	3.45	3.28

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Industrial Grade Magnetic Proximity Sensors

Solid State, Adjustable Threaded Housing

- Immune to hostile environments
- Reverse battery protection to -24VDC
- South pole sensitive
- Cable insulation: polyolefin
- Output: 3-wire sink
- Operating temp. range: -40°C to 125°C
- High speed capability
- Source or open collector output
- M12 integral connector
- Operating voltage range: 5-24VDC
- Output saturation voltage max.: 700mV
- SST housing



Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Cable/Connector	1	10	100
513210CG	MP100102♣	12	25	300	60	22AWG x 1m cable	\$34.39	\$25.46	\$23.56
513228CG	MP100502	10	24	25	1	12mm circular conn.	23.25	17.20	15.91



Commercial Grade Magnetic Proximity Sensor

Solid State, Adjustable Threaded Housing

- Anodized aluminum housing (black)
- Sourcing or open collector output
- M12 integral connector meets IEC 60947-5-2
- Output: 3-wire sink
- Operating voltage range: 4.75-24VDC
- High speed capability
- South pole sensitive
- Wire insulation: polyolefin
- Operating temp. range: -40°C to 125°C
- Output saturation voltage: 700mV max.



Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	1	10	25
513236CG	MP100701	12	25	300	60	20AWG x 1m	\$24.25	\$21.81	\$19.63



Hall-Effect Magnetic Proximity Sensor

With Snap-Fit Mount

- Solid state reliability
- No mechanical contacts to wear out
- South pole sensitive or bi-polar latch
- Operating voltage range: 4.75-24VDC
- Output saturation voltage max.: 400mV
- Immune to dust, dirt, & moisture
- Digital output compatible with all logic families
- Operating temp. range: -40°C to 85°C
- Output: 3-wire sink
- Reverse polarity protection to -24V



Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	1	10	25
513244CG	MP101301	4	25	300	60	24AWG x 1m	\$4.09	\$3.87	\$3.68



Digital Hall-Effect Magnetic Proximity Sensor

Low-Profile Flange Mount

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- Applications: door position sensing, flow sensing, pedal switch
- Meets IEC529 IPX5 for water protection
- Output wire: 3-wire sink
- Operating voltage range: 4.5-24VDC

Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	1	10	25
513252CG	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	\$3.85	\$3.63	\$3.45



Magnetic Proximity Sensors

- Omnipolar, magnetically activated switch
- Can be approached by any magnet from any angle with either pole
- Hermetically sealed
- Contact resistance: 0.2 Ω max.
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C



513279CG

513308CG

Aluminum Threaded Housing

- Immune to hostile environments
- Suitable for AC/DC circuits

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	1	10	25
513279CG	MP200701	SPST NO	10	175	0.5	0.6	\$7.15	\$6.80	\$6.46
513287CG	MP200702♣	SPST NC	3	100	0.2	1.0	7.89	7.49	7.12
513295CG	MP200703♣	SPDT CO	3	100	0.2	1.0	12.45	11.06	9.22

Cylindrical Plastic Housing

- Resistant to dirt and moisture

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	1	10	25
482396CG	AS201701♣	SPST NO	10	175	0.5	0.5	\$2.15	\$2.04	\$1.87
513308CG	MP201701	SPST NO	10	175	0.5	0.5	3.05	2.67	2.23
513316CG	MP201702♣	SPST NC	3	100	0.2	1.0	3.25	3.05	2.90
513324CG	MP201703♣	SPDT CO	3	100	0.2	1.0	5.55	4.98	4.49



Reed-Based Magnetic Proximity Sensors

Plastic Flange Mount

- Hermetically sealed contacts
- Contact resistance: 0.2Ω max.
- Zero power consumption
- Op. temp. range: -40°C to 105°C
- Moisture and dirt resistant

AS2018/MP2018 Series

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	25
482409CG	AS201801	SPST NO	10	175	0.5	0.6	\$2.25	\$2.14	\$1.99
513332CG	MP201801	SPST NO	10	175	0.5	0.6	3.29	2.92	2.44
513341CG	MP201802	SPST NC	3	100	0.2	1.0	4.95	4.41	3.67

AS2019/MP2019 Series

- Immune to hostile environments
- Suitable for AC/DC circuits
- Breakdown voltage: 200VDC min.

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	25
482417CG	AS201901	SPST NO	10	175	0.5	0.6	\$3.25	\$2.85	\$2.38
513359CG	MP201901	SPST NO	10	175	0.5	0.6	2.85	2.66	2.53
513367CG	MP201902	SPST NC	3	100	0.2	1.0	5.25	4.64	3.86
513375CG	MP201903	SPST CO	3	100	0.2	1.0	3.99	3.79	3.60



Industrial Grade Gear Tooth Speed Sensors

Hall-Effect with Adjustable Steel Housing

- Sense motion of ferrous gear tooth targets
- Near-zero speed sensing capability
- Meets all IEC immunity from: electrostatic discharge, electrical transients, radiated electric field, conducted energy
- Immune from hostile environments
- Reverse battery protection to -24VDC
- Operating voltage range: 4.5-24VDC
- Output saturation voltage: 700mV max.
- Output: sink
- Supply current: 6mA max.
- Output current: 25mA max.
- Operating temp. range: -40°C to 105°C

Part No.	Product No.	Thread	Cable/Connector	1	10	100
512364CG	GS100101	M12-1	12mm circular conn.	\$53.85	\$39.54	\$36.80
512372CG	GS100102	M12-1	22AWG x 1m cable	40.05	38.00	35.15
512381CG	GS100201	M18-1	12mm circular conn.	37.25	35.39	33.01



Digital Vane Speed & Proximity Sensors

- Magnetically activated
- Rugged over molded plastic housing
- Immune from moisture & dust
- No mechanical contacts to wear out
- Reverse battery protection to -24VDC
- Open collector output compatible w/ all logic families
- Sensor body material: glass filled polyester
- Operating voltage range: 4.5-24VDC
- Operating temperature range: -40°C to 85°C
- Supply current: 6mA max.
- Output current: 25mA max.
- Output saturation voltage: 400mV max.

Part No.	Product No.	Output	Termination Pins	1	10	25
577580CG	VN101501	3-pin sink	Pins	\$5.55	\$5.26	\$4.04
577598CG	VN101503	3 wire sink	24AWG x 150mm	5.75	5.39	5.13

Alcoswitch

Knobs



Straight Knurl w/ Top & Side Indicator

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550483CG	KLN1250A1/4	Natural	1/4"	.281 x 1.252	\$14.89	\$10.85	\$10.31
550512CG	KLN500B1/4	Black	1/4"	.281 x .500	8.15	6.50	5.64
550521CG	KLN500B1/8	Black	1/8"	.281 x .500	8.09	6.27	6.22

Straight Knurl w/ Spinner No Indicator

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550580CG	KN1751AS1/4	Natural	1/4"	1.65 x 1.75	\$22.09	\$20.83	\$19.79
550598CG	KN1751BS1/4	Black	1/4"	1.65 x 1.75	22.09	20.83	19.79

Straight Knurl w/ Indicator Line

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550619CG	KN500B1/4	Black	1/4"	.625 x .500	\$6.85	\$5.81	\$5.52
550660CG	KN700B1/4	Black	1/4"	.625 x .750	9.49	7.33	6.96
550678CG	KN900A1/4	Natural	1/4"	.625 x .949	9.95	9.43	8.96
550686CG	KN900B1/4	Black	1/4"	.625 x .949	10.85	9.43	8.96

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Gear Tooth Speed Sensor

With Flange Style Plastic Housing

- Sense motion of ferrous gear tooth targets
- High speed capability
- Near-zero speed sensing capability
- Immune to hostile environments: electrostatic discharge, electrical transients, radiated electric field, conducted energy, magnetic filed energy
- Operating voltage range: 5-24VDC
- Meets all IEC requirements for heavy industrial equipments
- Supply current: 6mA max.
- Output: sink
- Output saturation voltage: 400mV max.
- Output current: 4mA max.
- Cable: 22AWG x 1m

Part No.	Product No.	1	10	25
512410CG	GS101202	\$31.25	\$28.18	\$25.34



Commercial Grade Gear Tooth Speed Sensors

Hall-Effect with Adjustable Aluminum Housing

- Sense motion of ferrous gear tooth targets
- Near-zero speed sensing capability
- Immune from hostile environments
- Reverse battery protection from 24VDC
- Operating voltage range: 4.5-24VDC
- Output voltage: 400mV max.
- Output: sink
- Supply current: 6mA max.
- Output current: 25mA max.
- Operating temp. range: -40°C to 125°C
- Wire: 20AWG x 1m

Part No.	Product No.	Housing	Thread	Barrel lgth.	1	10	25
512399CG	GS100502	Alum., red	M12-1	65mm	\$29.35	\$26.37	\$23.76
512401CG	GS100701	Alum., blk	15/32" - 32	1.0"	21.39	20.31	19.29



Gear Tooth Speed and Direction Sensors

- Sense speed & direction of ferrous gear tooth targets
- Plastic flange mount sensor rated to 125°C
- Locating mark provided to assure correct rotational alignment
- Internal circuit protection to IEC529 1000
- Meets IEC529 IP67 for dust & water protection
- Near-zero speed sensing capability
- Operating voltage range: 4.75-24VDC
- Supply current: 20mA max.
- Output current: 20mA max.
- 10-bit dynamic threshold
- Capable of 800Hz target speed
- Reverse battery protected to -30VDC
- Output saturation voltage: 1000mV max.
- Output: sink

Part No.	Product No.	Op. Temp. Range	Housing Material	1	10	100
577328CG	SD100103	-40°C to 85°C	Aluminum	\$56.05	\$45.44	\$40.88
577336CG	SD101201	-40°C to 125°C	Plastic	24.85	23.56	21.18

Straight Knurl w/ Indicator Line on Skirt

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550475CG	KFS500B1/4	Black matte	1/4"	.811 x .382	\$9.05	\$7.06	\$6.71

* w/ #6-32 set screw

Straight Knurl w/ Pointer and Indicator Line

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550740CG	KPN500B1/8	Black	1/8"	.625 x .500	\$13.15	\$12.35	\$11.72
550766CG	KPN700B1/4	Black	1/4"	.625 x .750	15.55	14.75	14.01
550774CG	KPN900A1/4	Natural	1/4"	.625 x .937	18.85	14.01	12.33
550782CG	KPN900B1/4	Black	1/4"	.625 x .937	19.05	14.01	12.33

Straight Knurl w/ Arrowhead Indicator, Two-Toned

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550635CG	KN501BA1/4	Blk/natural	1/4"	.445 x .500	\$7.55	\$5.81	\$5.52

Straight Knurl w/ Arrowhead Indicator on Skirt

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550707CG	KNS501BA1/4	Blk/natural	1/4"	.625 x .750	\$11.85	\$9.17	\$8.71
550723CG	KNS701BA1/4	Blk/natural	1/4"	.625 x 1.12	10.99	10.35	9.84

Diamond Knurl w/ Indicator Line

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550432CG	KD500B1/4	Black	1/4"	.630 x .500	\$6.55	\$6.21	\$5.90
550459CG	KD700B1/4	Black	1/4"	.630 x .750	8.55	6.21	5.90

Color Instrumentation Knobs (1/4" Shaft Diameters)

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft • All photos on www.Jameco.com



Fig. 1
264823CG



Fig. 2
265148CG



Fig. 3
265084CG
Pointer

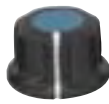


Fig. 4
265033CG
Size



Fig. 5
265228CG

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	Fig.	1	10	100
264823CG	CPBTAA191A1S6.4BK	Black/black	White	.79 x .77	1	\$.99	\$.93	\$.88
264786CG	CPBTAA191A1S6.4RD	Black/red	White	.79 x .77	1	.99	.84	.63
264794CG	CPBTAA191A1S6.4YW	Black/yellow	White	.79 x .77	1	.99	.84	.63
264807CG	CPBTAA191A1S6.4BL	Black/blue	White	.79 x .77	1	.99	.93	.88
264815CG	CPBTAA191A1S6.4GN	Black/green	White	.79 x .77	1	.99	.84	.63
264831CG	CPBTAA191A1S6.4GY	Black/grey	White	.79 x .77	1	.99	.84	.63
265156CG	JK-907A-BL	Grey/blue	Blue	.76 x 1.27	2	1.99	1.87	1.40
265130CG	JK-907A-RD	Grey/red	Red	.76 x 1.27	2	1.99	1.87	1.78
265148CG	JK-907A-YW	Grey/yellow	Yellow	.76 x 1.27	2	1.99	1.87	1.40
265181CG	JK-907B-BL	Grey/blue	Blue	.86 x .94	2	1.99	1.87	1.40
265172CG	JK-907B-YW	Grey/yellow	Yellow	.86 x .94	2	1.99	1.87	1.40
265164CG	JK-907B-RD	Grey/red	Red	.86 x .94	2	1.99	1.87	1.40
265199CG	JK-907C-RD	Grey/red	Red	.72 x .68	2	1.99	1.87	1.26
265201CG	JK-907C-YW	Grey/yellow	Yellow	.72 x .68	2	1.99	1.87	1.40
265210CG	JK-907C-BL	Grey/blue	Blue	.72 x .68	2	1.99	1.87	1.40
265050CG	JK-905A	Black/red	White	.58 x .57	3	3.92 .60	.53	.52
265068CG	JK-905B	Black/yellow	White	.58 x .57	3	.79	.62	.465
265076CG	JK-905C	Black/blue	White	.58 x .57	3	3.92 .79	.67	.504
265084CG	JK-905D	Black/green	White	.58 x .57	3	3.92 .79	.67	.503
265017CG	JK-904A	Black/red	White	.47 x .78	4	.99	.84	.63
265025CG	JK-904B	Black/yellow	White	.47 x .78	4	.99	.84	.63
265033CG	JK-904C	Black/blue	White	.47 x .78	4	.99	.84	.63
265041CG	JK-904D	Black/green	White	.47 x .78	4	.99	.84	.63
265261CG	CR-MS-5C5-T18	* Grey	Grey	.68 x .51	5	5.78 .67	.60	.45
265252CG	CR-MS-4C5-T18	* Grey	Green	.68 x .51	5	.78	.67	.61
265244CG	CR-MS-3C5-T18	* Grey	Blue	.68 x .51	5	.78	.67	.61
265236CG	CR-MS-2C5-T18	* Grey	Yellow	.68 x .51	5	5.78 .67	.60	.45
265228CG	CR-MS-1C5-T18	* Grey	Red	.68 x .51	5	5.78 .67	.60	.45

* For use with 1/4" knurled shaft

Aluminum Instrumentation Knobs (1/8" and 1/4" Shaft Diameters)

- Includes: Set screw for secure attachment
- 290124CG: Coarse surface for sensitive control; 1/8" shaft dia.

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Fig.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
290124CG	42008-1	1	1/8"	Silver	Silver	.500 x .625	\$1.99	\$1.79	\$1.61
162481CG	K5-1/4S	2	1/4"	Chrome	Silver	.500 x .560	1.19	1.09	.96
162499CG	K5-1/4B	3	1/4"	Black	White	.500 x .560	1.55	1.32	.99
138481CG	KN031	4	1/4"	Alum.	Black	.610 x .650	1.49	1.35	1.19
138501CG	KN032	4	1/4"	Alum.	Black	.870 x .750	1.95	1.71	1.55
138510CG	KN033	4	1/4"	Alum.	Black	1.18 x .870	2.49	2.12	1.59

Alcoswitch P Series Knobs

- 1/4" or 1/8" shaft sizes • Insert: Copper alloy
- General purpose phenolic (thermoset)
- Set screws: steel, hex head, cup point
- Finish: gloss (except PKX, matte)
- Inlays: skirts: aluminum alloy, spun finish

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our P Series Alcoswitch Knobs Offering at www.Jameco.com/Prod/AlcoKnobs



Black Instrumentation Knobs (1/4" Shaft Diameters)

- Set screw for secure attachment • RN-112A/113A/114A: Numeric dial type



265092CG



265105CG



265113CG



265121CG



264997CG



265009CG



264882CG



264892CG



264911CG



264920CG



264946CG



264954CG



264989CG



102788CG



104176CG



202286CG



136240CG



138392CG

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
265092CG	JK-906A	Black	White	.72 x 1.39	1.09 .95	.81	.61
265105CG	JK-906B	Black	White	.79 x .95	1.02	.71	.65
265113CG	JK-906C	Black	White	.64 x .82	1.03 .69	.521	.39
265121CG	JK-906D	Black	White	.58 x .61	.68	.55	.54
264997CG	JK-902A	Black	White	.69 x 1.31	.62	.55	.50
265009CG	JK-902B	Black	White	.60 x .95	.69	.47	.44
264920CG	JK-901A	Black/alum	White	.79 x 1.77	1.34 1.15	1.04	.78
264946CG	JK-901B	Black/alum	White	.64 x 1.29	1.00 .79	.59	.544
264954CG	JK-901C	Black/alum	White	.61 x 1.06	.75	.59	.54
264989CG	JK-901D	Black/alum	White	.47 x .78	.68	.53	.48
264882CG	RN-112A	Black/alum	Numeric	.90 x 1.46	.99	.84	.63
264892CG	RN-113A	Black/alum	Numeric	.70 x 1.15	.99	.93	.88
264911CG	RN-114A	Black/alum	Numeric	.58 x 1.46	.99	.93	.88
102788CG	JK-903C	Black	White	.54 x 1.25	.64	.41	.39
104176CG	JK-902C	Black	White	.49 x .75	.99	.85	.65
202286CG	CP-Z1-M-S	Black/alum	White	.60 x .80	.79	.67	.50
136240CG	KGB-214	Black/alum	White	.52 x .54	.65	.55	.49
138392CG	41108-1	Black/alum	White	.56 x .85	.79	.59	.54

200 Piece Spring Assortment

This kit contains approximately 200 springs with 20 different types, compression and tension ratings in a clear plastic case. They range from smallest which is about 10mm long to the longest 70mm long. Spring sizes listed on lid of plastic case.

Part No.	Description	1	10
314413CG	200-piece spring assortment	\$7.29	\$6.89

Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

SAVE \$62

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —

Part No.	Description	Wt. (lbs.)	1	10
108433CG	2300 pcs. Hardware kit	7.5	\$55.95	\$50.36
130497CG	Refill for 108433CG (2300 pcs.)	2.7	39.95	35.95



JAMECO ValuePro

Sonic Transducers and Buzzers

Magnetic Transducers • Applied voltage: 1/2 duty, square wave

Part No.	Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing			
								1	10	100	1000
207917CG	DB105GFPN	1	1.5/30	1 – 2	2048	75	.22"H x .47"Dia.	\$1.49	\$1.34	\$1.14	\$0.85
138721CG	DB111A-PN	2	1.5/10	1 – 2	2048	80	.32"H x .46"Dia.	1.49	1.34	1.14	.85
335644CG	PB-12N23P-12	3	12/50	9 – 15	2300	85	10mm H x 12mm Dia	2.69	2.42	1.94	1.46
138739CG	DBX05-PN	2	5/40	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500CG	SBT-1205	2	5/40	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
207950CG	UDX05CPN	3	5/100	4 – 8	3100	85	.22"H x .35"Dia.	1.35	.99	.92	.83
Other Manufacturers — Great Deals											
673918CG	SEP-1162	4	20/7	—	4000	80	.28"H x .55"Dia.	\$1.95	\$.99	\$.92	\$.83
673926CG	SPT2202A	5	3-20/11	3 – 20	3000	85	.64"H x .96"Dia.	2.75	2.49	1.95	1.49
673871CG	PER-1205	2	5/40	3 – 8	2400	90	.35"H x .46"Dia.	2.65	2.51	2.42	2.09

Blue Part No. = Limited Quantity Available

Magnetic Buzzers

207984CG	TDB01	6	1.5/30	1.25 – 2	2300	75	.47"H x .38"Dia.	\$2.49	\$2.29	\$1.99	\$1.79
76064CG	TDB05-PN	6	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.99	2.79	2.69	2.59
207976CG	TDB12	6	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.49	2.39	2.29	2.19
Other Manufacturers — Great Deals											
673774CG	SBT-1612	7	12/40	6-18	2048	85	.53"H x .62"Dia.	\$2.09	\$1.89	\$1.65	\$1.39

Piezo Buzzers

336276CG	PT-1250W	8	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	\$1.55	\$1.40	\$1.12	\$0.84
337210CG	SC628D	9	6-28/5-18	6 – 28	1900	75	1.28"H x 1.69"Dia.	\$10.45	9.49	8.54	5.12
336022CG	PK-27N26W	10	12/15	3 – 28	2500	90	10mm H x 30mm Dia.	3.49	3.14	2.51	1.88
335505CG	MAS800	11	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.15	3.74	2.99	2.24
335530CG	MAS806	11	12/50	5 – 14	2800	103	15.2mm H x 26mm Dia.	5.25	4.73	3.78	3.02
336663CG	SC105	9	1-5/3-16	1 – 5	2900	75	1.28"H x 1.69"Dia.	\$10.95	10.05	9.05	5.43
337535CG	SNP428	12	4-28/3-16	4 – 28	2900	76	.85"H x 1.64"Dia.	\$9.85	8.49	7.64	4.58
336639CG	SBM616PU	13	6-16/3-12	6 – 16	2900	78	.62"H x 1.69"Dia.	14.99	13.49	10.79	8.09
123537CG	11D3240	14*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
337383CG	SC628P	9	6-28/4-16	6 – 28	2900	80	1.84"H x 1.69"Dia.	15.69	14.12	11.30	8.48
337359CG	SC628N	9	6-28/4-16	6 – 28	2900	90	1.28"H x 1.69"Dia.	\$11.99	10.95	9.85	7.88
32601CG	11S3240	14	24/15	1 – 28	2900	95	1.4"H x 1.7"Dia.	4.95	4.45	4.29	4.09
336989CG	SC616N	9	6-16/6-22	6 – 16	2900	95	1.28"H x 1.69"Dia.	12.35	11.11	8.89	6.67
336997CG	SC616NJ	9	6-16/6-22	6 – 16	2900	95	1.28"H x 1.69"Dia.	\$17.69	16.79	15.11	12.09
335556CG	MSR320	15	3-20/3-16	3 – 20	3400	80	.39"H x .91"Dia.	2.55	2.30	1.84	1.38
76021CG	7S3240-LA	16	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia.	4.99	4.69	4.49	4.29
335695CG	PF-20A35EW	16	12/10	3 – 28	3500	95	25mm H x 28mm Dia	5.09	4.89	4.77	4.59
207992CG	SL15R3120LA	17	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336313CG	PT-2038FW	5	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.15	1.09	1.05	.95
335927CG	PK-20A38P	3	12/15	3 – 24	3800	95	18mm H x 23mm Dia.	3.55	3.20	2.56	1.92
335564CG	MSR516N	3	5-16/3-14	5 – 16	3850	86	.39"H x .91"Dia.	\$3.99	3.45	3.11	2.49
138712CG	32S4120-PN	6	12/7	3 – 16	4000	80	.30"H x .54"Dia.	2.49	2.25	2.09	1.56
196357CG	AL-175	6	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	2.99	2.69	2.35	2.06
335855CG	PK-12N40P	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.29	3.07	3.05	2.69
Other Manufacturers — Great Deals											
454521CG	MSR3205	15	20/16	3 – 20	3400	80	.39"H x .91"Dia.	\$6.99	\$2.14	\$1.94	\$1.78
673900CG	SEP-1172	18	3-28/7	3 – 28	3300	81	.62"H x 1.27"Dia.	1.95	1.75	1.29	.99

* Dual tone C = Continuous tone S = Slow pulse F = Fast pulse Blue Part No. = Limited Quantity Available

Mechanical/Electromechanical Buzzers

24871CG	63S109LA	19	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	\$2.49	\$2.19	\$1.99	\$1.79
140695CG	63S1120-LA	19	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	\$1.55	1.40	1.24	1.12

Piezo Sirens

336188CG	PS-520	17	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mm H	\$9.25	\$8.33	\$6.66	\$4.99
207888CG	18R3120	20	12/120	9 – 15	1500-3100	105	3.4"L x 2.2"W x 1.3"H	5.99	5.79	5.49	5.29
336225CG	PS-562	21	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13

Surface Mount Electromechanical Buzzers

335388CG	AST500	22	1.5/50	1.2 – 3	2400	85	12.8mm Sq. x 10mm H	\$2.95	\$2.65	\$2.12	\$1.59
335417CG	AST605	22	5/40	4 – 8	2400	87	12.6mm Sq. x 7mm H	2.19	1.97	1.57	1.18
335345CG	ASI301	22	5/30	4 – 7	2400	90	12.6mm Sq. x 10mm H	2.75	2.48	1.98	1.49
335353CG	ASI401	22	12/30	8 – 15	2400	90	12.6mm Sq. x 10mm H	1.79	1.61	1.29	.97

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend

New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

215

A Jameco
EXCLUSIVE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

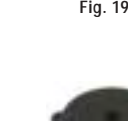


Fig. 21



Fig. 22

Electromech

1.2" (30mm) PCB Mountable Speaker

- Round frame design
- Mylar diaphragm
- Output SPL: 82 dB
- Nominal input: 0.15W; max. input: 0.2W • Pin spacing: 15mm
- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz



Part No.	Cross Ref. No.	Description	Dimensions	1	10	100
135722CG	PCM415	Solder leads	1.2"Dia. x 0.5"D	\$2.15	\$1.79	\$1.34

Speaker Terminals

Make a solid connection with these push-release speaker terminals. Color-coded red /black connections for positive & negative side of speakers, screwmount plates for easy installation.

- Requires 1.92" round cut-out for recessed mounting



Part No.	Description	Size	Price
318641CG	Round speaker terminals	2.95" diameter	\$.43

Round Ferrite Speakers

- 320135CG: with 2" lead wires • Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces
- Braided copper voice coil leads • Paper diaphragm

For speaker wire, see page 110

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
320362CG	TRF-050F	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	\$1.95	\$1.51	\$1.13
135589CG	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.59	1.33	1.09
320135CG	C35128A	2.0 x 0.7	0.2	0.4	8	—	—	1.3 x 0.4	1.59	1.35	1.01
308267CG	GA0501M	2.0 x 0.8	0.25	0.5	8	85	500 – 7800	0.9 x 0.4	1.99	1.69	1.27
10840CG	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07
320354CG	TR-066F	2.6 x 0.9	0.25	0.5	8	85	440 – 3500	1.3 x 0.4	1.45	1.24	1.14



135589CG Side



135589CG Back

Square Ferrite Speakers

- Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces • Braided copper voice coil leads • Paper diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
135693CG	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	\$1.59	\$1.45	\$1.29
249463CG	66SF25	2.6 x 0.8	—	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.09	1.59
31958CG	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.25	1.99	1.79
99995CG	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.49	2.25	1.99



99995CG Side



99995CG Back

Blue Part No. = Limited Quantity Available

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses • Stainless steel diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34025CG	AZ30S	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$1.69	\$1.52	\$1.35
76030CG	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.75	1.49
673766CG	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	2.49	2.25	1.95



34025CG Side



34025CG Back

Alnico Speakers

- For computer case use • Paper diaphragm • Wide frequency response • Pre-tinned solder lugs • Large magnet • Impedance: 8Ω

Part No.	Mfg. P/N	Fig.	Dimensions (Dia. " x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)				1	10	100
88410CG	A0200	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	\$1.49	\$1.29	\$1.04
684730CG	A0202C	1	2.6 x 0.9	0.5	1.0	88	350 – 5000	0.9 x 0.5	1.89	1.69	1.49
135765CG	RA2425	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	1.89	1.69	1.52
111587CG	B0102	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	2.09	1.69	1.39
135811CG	A1527C02	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	2.95	2.49	2.25

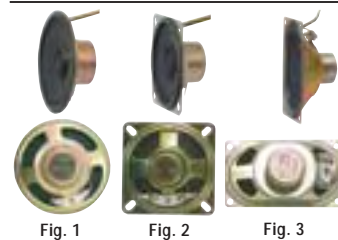


Fig. 1

Fig. 2

Fig. 3

Micro Speakers

Part No.	Mfg. P/N	Fig.	Dimensions (Dia. " x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)				1	10	100
355514CG	GC0201M	1	1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	\$1.39	\$1.22	\$1.18
307871CG	GC0401M	2	1.57 x 0.67	0.2	0.3	80	600 – 8000	0.71 x 0.43	2.89	2.46	1.84
355522CG	GF0271M	3	1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	2.29	2.04	1.86
307854CG	GC0251KP*	4	1.0L x 0.55W	1.0	1.5	80	750 – 3500	0.43 x 0.08	1.85	1.57	1.18

* Rectangular micro speaker

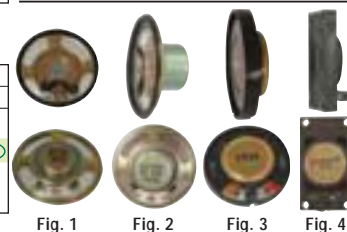


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Omni-directional Electret Condenser Microphone Cartridges

Applications:

- Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors
- Used for recording, testing, and monitoring
- Modems for computers

Blue Part No. = Limited Quantity Available

Part No.	Type	Sensitivity	Impedance	Frequency (Hz)	Max. Op. Volt. (VDC)	Stand Op. Volt. (VDC)	Current (Max.)	Sensitivity Reduction	S/N Ratio	Terminals	Size (H x Dia.)	Pricing			
												1	10	100	1000
160979CG	WM-64PKT	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	\$.72	\$.65	\$.52	\$.35
136573CG	WM-60PC	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	.53	.48	.43	.39
320004CG	YILI	-38 ±3dB	>2.2kΩ	20-16,000	10V	4.5V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.23" x .38"	.69	.62	.32	.24
320178CG	EM-99	-64 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	1.49	1.25	.99	.81
196488CG	JL-061C	-58 ±3dB	2kΩ	20-20,000	10V	2.0V	0.04mA	-3dB @ 1.5V	>55dB	Solder pad	.10" x .24"	1.29	.99	.89	.69
140986CG	CRM919	-64 ±3dB	1kΩ ±30%	20-10,000	12V	3.0V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.90" x .39"	1.49	1.14	1.05	.89

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Spacers

Aluminum Round Spacers

- 3/16" OD • #4 ID (0.115")
- Iridite clear finish

* Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Length	1	10	100	1000
392850CG	1107-4-A-7	1/8"	*	\$.177	\$.169	\$.159
392869CG	1108-4-A-7	3/16"	*	.195	.186	.176
392876CG	1109-4-A-7	1/4"	.20	.194	.19	.185
392884CG	1110-4-A-7	5/16"	.26	.214	.203	.193
392892CG	1111-4-A-7	3/8"	.26	.214	.203	.193
392905CG	1112-4-A-7	7/16"	.34	.288	.274	.26
392913CG	1113-4-A-7	1/2"	.29	.233	.221	.21
392921CG	1115-4-A-7	5/8"	.30	.242	.23	.218
392930CG	1116-4-A-7	11/16"	.44	.37	.35	.34
392948CG	1117-4-A-7	3/4"	.33	.279	.265	.252

Blue Part No. = Limited Quantity Available

Aluminum Round Spacers

- 1/4" OD • #4 ID (0.115")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393051CG	1122-4-A-7	1/8"	\$.24	\$.205	\$.194	\$.185
393061CG	1123-4-A-7	3/16"	.24	.205	.194	.185
393078CG	1124-4-A-7	1/4"	.24	.205	.194	.185
393086CG	1125-4-A-7	5/16"	.24	.205	.194	.185
393095CG	1126-4-A-7	3/8"	.30	.242	.23	.218
393107CG	1127-4-A-7	7/16"	.39	.326	.309	.294
393115CG	1128-4-A-7	1/2"	.30	.242	.23	.218
393123CG	1133-4-A-7	13/16"	.39	.326	.309	.294
393131CG	1134-4-A-7	7/8"	.39	.326	.309	.294
393140CG	1136-4-A-7	1"	.39	.326	.309	.294

Aluminum Round Spacers

- 1/4" OD • #6 ID (0.140")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393254CG	1122-6-A-7	1/8"	\$.24	\$.205	\$.194	\$.185
393262CG	1123-6-A-7	3/16"	.24	.205	.194	.185
393271CG	1124-6-A-7	1/4"	.24	.205	.194	.185
393290CG	1125-6-A-7	5/16"	.24	.205	.194	.185
393297CG	1126-6-A-7	3/8"	.30	.242	.23	.218
393300CG	1127-6-A-7	7/16"	.39	.326	.309	.294
393318CG	1128-6-A-7	1/2"	.30	.242	.23	.218
393326CG	1133-6-A-7	13/16"	.39	.326	.309	.294
393335CG	1134-6-A-7	7/8"	.39	.326	.309	.294

Blue Part No. = Limited Quantity Available

Brass Round Spacers

- 3/16" OD • #4 ID (0.115")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
392956CG	1107-4-B-12	1/8"	\$.79	\$.67	\$.64	\$.60
392964CG	1108-4-B-12	3/16"	.85	.68	.64	.61
392972CG	1109-4-B-12	1/4"	.86	.74	.70	.67
392981CG	1110-4-B-12	5/16"	.87	.74	.71	.67
392999CG	1111-4-B-12	3/8"	.89	.75	.72	.68
393001CG	1112-4-B-12	7/16"	.91	.77	.73	.70
393019CG	1113-4-B-12	1/2"	.93	.78	.74	.70
393027CG	1115-4-B-12	5/8"	1.12	.95	.90	.86
393035CG	1116-4-B-12	11/16"	1.14	.96	.91	.87
393043CG	1117-4-B-12	3/4"	1.16	.98	.93	.88

Brass Round Spacers

- 1/4" OD • #4 ID (0.115")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393158CG	1122-4-B-12	1/8"	\$.24	\$.205	\$.194	\$.185
393166CG	1123-4-B-12	3/16"	.22	.186	.177	.168
393174CG	1124-2-B-12	1/4"	.26	.214	.203	.193
393182CG	1125-4-B-12	5/16"	.31	.26	.247	.23
393191CG	1126-4-B-12	3/8"	.32	.26	.247	.235
393203CG	1127-4-B-12	7/16"	.77	.65	.62	.59
393211CG	1128-4-B-12	1/2"	.34	.288	.274	.26
393220CG	1133-4-B-12	13/16"	.97	.82	.78	.74
393238CG	1134-4-B-12	7/8"	.66	.56	.53	.504
393246CG	1136-4-B-12	1"	.74	.63	.60	.57

Brass Round Spacers

- 1/4" OD • #6 ID (0.140")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393351CG	1122-6-B-12	1/8"	\$.24	\$.205	\$.194	\$.185
393369CG	1123-6-B-12	3/16"	.22	.186	.177	.168
393377CG	1124-6-B-12	1/4"	.26	.214	.203	.193
393385CG	1125-6-B-12	5/16"	.31	.26	.247	.235
393393CG	1126-6-B-12	3/8"	.32	.26	.247	.235
393406CG	1127-6-B-12	7/16"	.77	.65	.62	.59
393414CG	1128-6-B-12	1/2"	.34	.288	.274	.26
393422CG	1133-6-B-12	13/16"	.97	.82	.78	.74
393431CG	1134-6-B-12	7/8"	.66	.56	.53	.504
393449CG	1136-6-B-12	1"	.74	.63	.60	.57

Electromech

Standoffs

Male-Female Hex Aluminum Standoffs

- 3/16" Hex
- 4-40 thread
- Iridite clear finish
- Thread length : 1/4"

Part No.	Product No.	Length	1	10	100	1000
393458CG	4501-440-A-7	1/4"	\$.35	\$.298	\$.283	\$.269
393466CG	4503-440-A-7	3/8"	.35	.298	.283	.269
393474CG	4505-440-A-7	1/2"	.35	.298	.283	.269
393491CG	4509-440-A-7	3/4"	.39	.326	.309	.294
393503CG	4513-440-A-7	1"	.39	.326	.309	.294

Male-Female Hex Brass Standoffs

- 1/4" Hex
- Zinc clear chromate finish
- 4-40 thread
- Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393837CG	4530-440-B-12	1/4"	\$.73	\$.61	\$.58	\$.55
393844CG	4532-440-B-12	3/8"	.75	.63	.60	.57
393852CG	4534-440-B-12	1/2"	.81	.69	.65	.62
393861CG	4536-440-B-12	5/8"	.83	.70	.66	.63
393880CG	4538-440-B-12	3/4"	.78	.66	.63	.60
393887CG	4542-440-B-12	1"	.78	.66	.63	.60
393895CG	4546-440-B-12	1-1/4"	.85	.72	.68	.65
393908CG	4550-440-B-12	1-1/2"	1.24	1.05	1.00	.95

Blue Part No. = Limited Quantity Available

Female-Female Hex Brass Standoffs

- 1/4" Hex
- 4-40 thread
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393684CG	2100-440-B-12	1/4"	\$.24	\$.205	\$.194	\$.185
393693CG	2102-440-B-12	3/8"	.37	.292	.292	.277
393705CG	2103-440-B-12	7/16"	.71	.60	.57	.55
393714CG	2104-440-B-12	1/2"	.44	.372	.353	.336
393721CG	2106-440-B-12	5/8"	.61	.512	.486	.462
393731CG	2108-440-B-12	3/4"	.69	.58	.55	.52
393749CG	2112-440-B-12	1"	.81	.69	.65	.62

Male-Female Hex Aluminum Standoffs

- 3/16" Hex
- 6-32 thread
- Iridite clear finish
- Thread length : 3/8"

Part No.	Product No.	Length	1	10	100	1000
393537CG	4501-632-A-7	1/4"	\$.35	\$.298	\$.283	\$.269
393545CG	4503-632-A-7	3/8"	.35	.298	.283	.269
393553CG	4505-632-A-7	1/2"	.35	.298	.283	.269
393570CG	4509-632-A-7	3/4"	.39	.326	.309	.294
393588CG	4513-632-A-7	1"	.39	.326	.309	.294

Male-Female Hex Brass Standoffs

- 1/4" Hex
- 6-32 thread
- Zinc clear chromate finish
- Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393916CG	4530-632-B-12	1/4"	\$.73	\$.61	\$.58	\$.55
393924CG	4532-632-B-12	3/8"	.75	.63	.60	.57
393932CG	4534-632-B-12	1/2"	.81	.69	.65	.62
393941CG	4538-632-B-12	3/4"	.78	.66	.63	.60
393959CG	4542-632-B-12	1"	.78	.66	.63	.60
393968CG	4546-632-B-12	1-1/4"	.85	.72	.68	.65

Female-Female Hex Brass Standoffs

- 1/4" Hex
- 6-32 thread
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393757CG	2100-632-B-12	1/4"	\$.24	\$.205	\$.194	\$.185
393764CG	2102-632-B-12	3/8"	.37	.307	.292	.277
393772CG	2104-632-B-12	1/2"	.44	.372	.353	.336
393781CG	2106-632-B-12	5/8"	.61	.512	.486	.462
393799CG	2108-632-B-12	3/4"	.69	.58	.548	.52
393801CG	2112-632-B-12	1"	.81	.69	.65	.62
393810CG	2120-632-B-12	1-1/2"	.77	.65	.62	.59

Blue Part No. = Limited Quantity Available

Washer-Face Aluminum

Blue Part No. = Limited Quantity Available

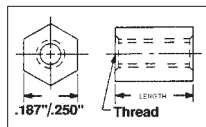
Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393975CG	7100-A	4-40	5/16"	5/8"	\$1.55	\$1.47	\$1.40	\$1.33
393983CG	7101-A	4-40	3/8"	11/16"	1.55	1.47	1.40	1.33
393991CG	7105-A	4-40	1/2"	13/16"	1.55	1.47	1.40	1.33
394003CG	7106-A	8-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394011CG	7107-A	8-32	1/2"	13/16"	1.75	1.66	1.58	1.50
394020CG	7109-A	10-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394038CG	7111-A	10-32	5/8"	15/16"	1.75	1.66	1.58	1.50
394046CG	7112-A	1/4-20	3/8"	3/4"	1.79	1.70	1.62	1.54

Plain Aluminum

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394055CG	7120-A	4-40	5/16"	1/2"	\$1.55	\$1.47	\$1.40	\$1.33
394063CG	7125-A	6-32	3/8"	9/16"	1.49	1.42	1.35	1.28
394071CG	7128-A	8-32	3/8"	9/16"	1.65	1.56	1.49	1.41
394089CG	7135-A	10-32	1/2"	11/16"	1.69	1.60	1.52	1.44
394097CG	7138-A	1/4-20	1/2"	3/4"	1.79	1.71	1.63	1.55
394100CG	7140-A	1/4-20	5/8"	7/8"	1.85	1.76	1.67	1.59

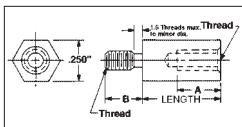
RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Hex
.187\"/>

.187\"/>

Aluminum & Brass Threaded Standoffs

† Finish: Iridite (clear)¹ per MIL-C-5541-D;
bright tin plate²; stainless steel³

.250\"/>

.187\"/>

4-40 Thread (Fig. 1) .187\"/>

Part Number	Metal†	Hex Length	Pricing			
			10	100	1000	
175636CG	Brass ²	.187"	\$.21	\$.15	\$.10	
102795CG	Brass ²	.240"	.21	.15	.10	
133612CG	Alum ¹	.250"	.20	.14	.11	
133639CG	Alum ¹	.500"	.22	.20	.11	
139791CG	Alum ¹	.562"	.19	.16	.14	
133647CG	Alum ¹	.625"	.14	.13	.12	
133656CG	Alum ¹	.750"	.43	.39	.23	
139184CG	Alum ¹	1.000"	.43	.39	.32	

.250\"/>

4-40 Thread (Fig. 1) .250\"/>

* 10 piece minimum

Part Number	Metal†	Hex Length	Pricing			
			1	10	100	1000
139193CG	Alum ¹	.250"	*	\$.16	\$.12	\$.08
77500CG	Alum ¹	.375"	.22	.20	.15	.09
134763CG	Alum ¹	.437"	.25	.21	.18	.15
108371CG	Alum ¹	.500"	.29	.25	.17	.10
77519CG	Alum ¹	.625"	.42	.35	.19	.14
133605CG	Alum ¹	.750"	.39	.35	.19	.14
139206CG	Alum ¹	1.000"	.49	.35	.25	.15

.250\"/>

6-32 Thread (Fig. 1) .250\"/>

Part Number	Metal†	Hex Length	Pricing			
			1	10	100	1000
77534CG	Alum ¹	.250"	\$.24	\$.22	\$.14	\$.08
133592CG	Alum ¹	.375"	.32	.29	.13	.09
77543CG	Alum ¹	.500"	.25	.22	.17	.10
77551CG	Alum ¹	.625"	.28	.25	.19	.14
77570CG	Alum ¹	.750"	.31	.28	.21	.13
77578CG	Alum ¹	1.000"	.59	.35	.30	.16
143408CG	Alum ¹	1.500"	.69	.61	.49	.42
143440CG	Alum ¹	1.750"	.79	.59	.48	.41

Blue Part No. = Limited Quantity Available

Hex
.250\"/>

.250\"/>

4-40 Thread (Fig. 2) (Thread A: .250"; B: .187")

Part Number	Metal†	Hex Length	Pricing			
			1	10	100	1000
77586CG	Alum ¹	.250"	\$.32	\$.29	\$.21	\$.16
77593CG	Alum ¹	.375"	.43	.34	.19	.12
111755CG	Alum ¹	.500"	.49	.44	.36	.20
139213CG	Alum ¹	.625"	.43	.39	.35	.31
139221CG	Alum ¹	.750"	.43	.39	.35	.21
139231CG	Alum ¹	1.00"	.49	.44	.36	.30
128565CG	Alum ¹	1.25"	.59	.53	.44	.38
166545CG	Alum ¹	1.50"	.75	.65	.59	.49
618020CG	Steel ³	1.50"	.79	.69	.63	.53

Blue Part No. = Limited Quantity Available

.250\"/>

6-32 Thread (Fig. 2) (Thread A: .375"; B: .250")

Part Number	Metal†	Hex Length	Pricing			
			10	100	1000	
133541CG	Alum ¹	.250"	\$.35	\$.21	\$.19	
133568CG	Alum ¹	.375"	.39	.35	.22	
77606CG	Alum ¹	.500"	.32	.29	.23	
77623CG	Alum ¹	.750"	.39	.35	.28	
77650CG	Alum ¹	1.000"	.44	.40	.32	
206623CG	Steel ³	1.250"	1.39	1.25	1.09	

RAF Instrumentation Handles

216821CG:

- Material: brass, nickel plate
- Oval diameter: 5/8"
- Internal thread size: 10-32

457801CG: • Material: black anodized steel

- Oval diameter: 1/4"
- Internal thread size: 6-32

Part No.	Size (L" x H" x T")	1	10	100
216821CG	3.0 x 1.3 x 0.3	\$2.49	\$2.12	\$1.59
457801CG	3.0 x 1.0 x 0.4	2.19	1.83	1.70

- Snap "on"
- Nylon
- 291987CG: with thread
- 10 piece minimum

Part No.	Cross Ref. No.	Dimensions	Holes	10	100	1000
28337CG	PCST	1.2"L x 0.6"W	0.2"	\$.12	\$.07	\$.04
129251CG	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3"	.18	.11	.075
148056CG	PCST3	0.8"L x 0.5"W	0.1"/0.2"	.09	.08	.06
156831CG	KCS10	0.68"L x 0.32"Dia.	0.14"	.125	.093	.073
291961CG	ACBS-6	0.75"L x 0.5"W	0.1"/0.2"	.122	.052	.029
291987CG	CASE-45-50	0.85"L x 0.3"Dia.	0.2"	.126	.083	.053
292015CG	SCB-6	0.7"L x 0.27"Dia.	0.1"/0.2"	.162	.138	.117

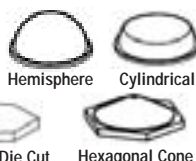
PCB Standoff Mounting Hardware

SALE

3M Bumpon™ Protective Products

These durable, pressure sensitive, adhesive-backed urethane bumpers provide many high performance advantages: adhere quickly and stay in place on a variety of surfaces, resist marring and staining on surfaces, and give excellent skid and abrasion resistance.

Part No.	Description	Color	1	10	25
651891CG	Hexagon die cut (132 pieces)	Brown	\$7.25	\$6.44	\$5.78
651903CG	Hemisphere (96 pieces)	Clear	7.25	6.44	5.78
651911CG	Cylindrical (56 pieces)	Clear	7.25	6.44	5.78
651920CG	Cylindrical (56 pieces)	White	7.25	6.44	5.78
651938CG	Hexagonal cone (132 pieces)	Clear	8.15	7.21	6.48

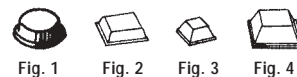


3M

Adhesive Rubber Feet

These are perfect for project boxes, providing a non-slip, non-scratch surface.

Part No.	Product No.	Type	Fig.	Pack	(W" x H")	1	10	50
119618CG	SJ5012BLK4	Black cylindrical	Fig. 1	4	.50 x .14	\$.37	\$.36	\$.35
142658CG	SJ5012BLKC	Black cylindrical	Fig. 1	100	.50 x .14	5.95	5.35	4.86
142771CG	SJ5008BLKC	Black square	Fig. 2	100	.50 x .12	6.69	4.76	3.81
142682CG	SJ5018BLKC	Black square	Fig. 3	100	.50 x .23	9.95	8.25	7.04
126981CG	SJ5023BLK4	Black square	Fig. 4	4	.81 x .30	1.95	1.75	1.59
142666CG	SJ5023BLKC	Black square	Fig. 4	100	.81 x .30	14.25	9.59	9.29



RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



135394CG - Electrolytic

135271CG - LEDs

169578CG - Photocells

18294CG - Toy Motors

149649CG - Fans

55968CG - Spacers

319600CG - Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600CG

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213CG) referenced towards the bottom of the page.

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857CG	GB100	200 asst. ceramic disc capacitors	0.2	\$4.95	\$4.49
135335CG	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps	1.0	12.95	11.49
17881CG	GB101	100 assorted mylar capacitors	0.3	5.95	5.35
135458CG	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911CG	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	4.95	4.49
135394CG	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps radial, axial, snap (photo above)	1.5	12.95	11.49
17945CG	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961CG	GB107	200 assorted diodes (zener, switching, silicon)	0.1	\$5.95	\$5.35	\$4.79
18171CG	GB127	100 assorted transistors (NPN, PNP, power)	0.1	5.95	5.35	4.79
114446CG	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	6.25

Resistors, Trimmers and Potentiometers

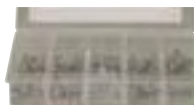
Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104CG	GB116	200 asst. 1/4W resistors (5&10%)	0.1	\$5.49	\$4.95
135351CG	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	13.49
18139CG	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	5.35
18075CG	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	5.15	3.89
18278CG	GB174	100 assorted 1/4W & 1/2W single-turn pots (100Ω to 5MΩ assorted values)	0.2	6.95	6.25

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996CG	GB108	100 assorted 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2	\$6.95	\$6.25
135280CG	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0	19.05	17.15
18024CG	GB109	100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220	0.6	7.95	6.95
145242CG	GB109LB*	2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.)	2.0	19.05	17.14
114964CG	GB171	100 asst. microprocessor series (micros, PALS, RAMs, PROMs, EPROMs)	0.7	12.95	11.49
105620CG	GB120	100 asst. sockets (DIP IC, PGA)	0.3	5.95	5.35
135386CG	GB120LB*	1 lb. (260 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	12.95	11.49

veileman 5mm x 20mm Fast Acting Fuse Kit

- Voltage rating: 250VAC
- Glass cartridge, silver-end caps
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



Part No.	Product No.	1	10	25
645343CG	K/FF	\$12.29	\$11.68	\$11.09

LEDs, Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041CG	GB110	100 assorted sizes & colored LEDs (T1&T1 ³ / ₄ round and rectangular)	0.1 ...	\$6.95	\$6.29	\$5.65
18323CG	GB186	500 asst. sizes #18041CG LEDs	0.3 ...	19.95	17.95	15.95
135271CG	GB110LB*	1 lb. (1900 pcs) asst. #18041CG LEDs	1.0 ...	44.95	40.95	38.95
18201CG	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	7.45	6.69
169578CG	GB125	100 asst. values photocells	0.2 ...	12.95	11.49	10.35

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235CG	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	\$8.75	\$7.69
135378CG	GB165LB*	1 lb. (135 pcs) asst. #18235CG switches	1.0	18.95	16.95
18294CG	GB182	5 asst. toy DC motors (1.5-24V)	1.1	5.49	4.95
149649CG	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

Hardware Assortments

- 2-56
- Screws
- Steel
- 4-40
- Plastic
- Brass
- 6-32
- Nuts
- Lock Washers
- 8-32
- Washers
- Aluminum



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571CG	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	\$5.95	\$5.35	\$4.79
171635CG	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571CG (above)	3.0	12.95	11.49	9.95

Spacers and Standoffs Assortments

- Round
- Hex
- Aluminum
- Brass
- Steel
- Plastic
- Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
166481CG	GB440	100 asst. 4-40 spacers/standoffs	0.5	\$12.95	\$12.49	\$11.49
166490CG	GB632	100 asst. 6-32 spacers/standoffs	0.5 ...	16.95	15.49	13.95
55968CG	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon spacers	0.3 ...	17.95	16.49	14.95
135423CG	GB140LB*	1 lb. (310 pcs) same as P/N 55968CG	1.0 ...	34.95	31.95	28.00

Schwab's School Selection

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600CG photo above) for storage.

\$67.89 Value



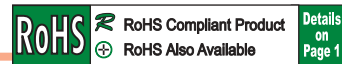
Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213CG	GB197	Schwab's School Selection	3.3	\$39.95	\$34.95
319600CG	GB197	20 drawer component cabinet	4.7	15.95	13.95

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

DC Brushless Fans



Color Code Legend			
New	Sale	Lower\$	QtySave



355493CG



279566CG

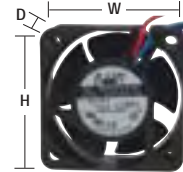
Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

NEW



Quantity SAVE



249375CG



354933CG

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
131246CG	Adda	AD0205LX-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	\$8.49	\$7.64	\$7.01	\$6.63
206156CG	Sunon	KDE0502PFB3-B	5	1.00 x 1.00 x 0.40	1.8	Ball	60	0.3	UL/CSA/TUV/CE	23	5"	11.95	10.95	9.95	7.95
695050CG	Sunon	GM0502PFV2-8	5	1.00 x 1.00 x 0.40	3	Vapo	80	0.4	UL/CUL	16	5.5"	10.95	9.85	8.69	7.75
687789CG	Sunon	KDE0504PKB3	5	1.60 x 1.60 x 0.80	6.2	Ball	140	0.7	UL/CUL	24	11"	7.95	7.15	6.29	5.29
207061CG	Adda	AD0505MB-G90	5	2.00 x 2.00 x 0.40	10.5	Ball	120	0.7	UL/CSA/CE	24	11"	7.95	6.95	6.25	5.59
355493CG	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.37	5.89	4.42
279566CG	Mechatronics	F6025H05B	5	2.36 x 2.36 x 1.00	20	Ball	410	2.05	UL/CUL/TUV	31	6"	8.45	8.05	7.18	6.82
212783CG	Sunon	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/NDE	27	5.9"	10.95	8.50	7.85	6.95
212760CG	Sunon	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/NDE	25	5.9"	11.95	10.76	9.68	8.06
191476CG	Common Wealth	FP-108HX/DC	12	1.60 x 1.60 x 0.40	4.0	Sleeve	60	0.72	UL/CSA/TUV/CE	25	12"	4.95	4.49	3.95	3.55
210797CG	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
355418CG	ReliaPro	JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6	11.5"	5.65	3.85	3.52	3.35
279611CG	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	5.95	5.29	4.29	3.19
189691CG	Sunon	KD1204PFS1-8	12	1.60 x 1.60 x 0.40	6.6	Sleeve	60	0.7	UL/CUR/TUV/CE	30	12"	7.95	7.19	6.45	5.45
212717CG	Sunon	KDE1204PFB2-H	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/NDE	27	12"	6.65	4.95	4.36	3.95
290010CG	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn.	4.95	4.60	4.14	3.72
311968CG	Adda	AD0412HS-G70	12	1.60 x 1.60 x 0.40	6.7	Sleeve	100	1.2	UL/CUL/TUV/CE	25	2.5"	4.25	3.83	3.06	2.29
213428CG	Adda	AD0412HB-G76 ¹	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	CE	30.2	12"/3 leads	7.59	6.83	5.46	4.10
212725CG	Sunon	KDE1204PFB1-H	12	1.60 x 1.60 x 0.40	8.3	Ball	110	1.4	UL/CUL/TUV/CE/NDE	34.4	12"	6.65	5.98	4.79	3.59
174131CG	Jamicon	JF0413S1M	12	1.60 x 1.60 x 0.47	3.8	Sleeve	90	1.1	UL/CSA/TUV	29	14"	2.95	2.66	2.12	1.59
136178CG	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.80	5	Sleeve	110	1.32	UL/CSA	23	9"	2.55	2.29	2.08	1.89
195899CG	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.15	5.75	4.29
279620CG	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	7.29	6.56	5.25	3.94
206447CG	Delta	DFB0412H	12	1.60 x 1.60 x 0.80	8.5	Ball	100	1.0	UL/CSA/VDE	32	8"	7.95	7.16	6.44	5.80
249375CG	Adda	AD0412HB-C56 ²	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
687754CG	Sunon	KDE1204PKSX-8	12	1.60 x 1.60 x 0.80	9.5	Sleeve	90	1.1	—	28	11"	8.49	7.59	6.79	5.95
206164CG	Sunon	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	8.95	8.06	7.25	4.83
687771CG	Sunon	KDE1206PHS1	12	2.36 x 2.36 x 0.60	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	10" w/ conn.	7.95	7.15	6.49	5.49
212688CG	Sunon	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/NDE	29	12"	5.49	4.99	4.57	4.13
297959CG	Delta	EFB0512HA	12	2.00 x 2.00 x 0.40	11.4	Ball	150	1.8	UL/CSA/CE/NDE	30	6" w/ conn.	6.29	5.66	4.53	3.40
139602CG	Adda	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	7.49	6.74	5.39	4.04
354933CG	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/NDE/CE	29	12"/3 leads	7.99	7.17	5.75	4.31
687800CG	Sunon	KDE1206PFS1-8	12	2.36 x 2.36 x 0.40	16.5	Sleeve	120	1.4	UL/CUL/TUV	34.5	11"	7.99	7.19	6.29	5.29
195944CG	Adda	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	7.49	6.69	5.45	4.15
662602CG	Panaflo	FBA06T12H-1BS ³	12	2.36 x 2.36 x 0.60	16.6	Sleeve	145	1.74	UL/CSA	32	12"/3 leads	9.49	6.95	6.49	5.79
249069CG	Jamicon	JF0615B1H-000-243	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	8.75	7.89	7.09	6.39
685951CG	Sunon	KDE1206PHB2	12	2.36 x 2.36 x 0.60	18	Ball	90	1.1	UL/CSA/TUV/CE	31.5	11"	8.75	7.89	7.09	6.39
175046CG	Globe Motors	D24-B08A-04W3-000	12	2.36 x 2.36 x 0.80	10.6	Ball	90	0.8	UL/CSA/TUV/CE	22	13"	6.95	6.26	5.00	3.75
144160CG	Adda	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	8.79	7.99	6.39	4.85
189595CG	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	4.95	4.46	4.01	3.60
237075CG	Nidec	TA225DC-B33399-55	12	2.36 x 2.36 x 1.00	12	Ball	110	1.3	UL/CSA	17.2	10"	5.95	5.36	4.82	3.62
75352CG	Common Wealth	FP108FDC12VS2	12	2.36 x 2.36 x 1.00	15.5	Sleeve	110	1.3	UL/CSA/TUV/CE	25	12"	2.35	2.13	1.94	1.76
689240CG	Sunon	KDE1206PTB1(M) ³	12	2.36 x 2.36 x 1.00	22.5	Ball	170	2.0	UL/CSA/TUV/CE	34	12"	6.15	5.59	4.95	4.39
136143CG	Delta	SB0612M	12	2.36 x 2.36 x 1.00	17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.82	4.34
662645CG	Panaflo	FBA06A12U-1BS ³	12	2.36 x 2.36 x 1.00	20.5	Sleeve	270	2.52	UL/CSA	37	12"/3 leads	7.49	6.95	5.95	4.49
102947CG	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11"	6.49	5.84	4.67	3.50
150422CG	Jamicon	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	6.95	6.26	5.00	4.29
195911CG	Sunon	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73
689207CG	Sunon	KDE1206PTB3	12	2.36 x 2.36 x 1.00	16	Ball	70	.80	UL/CSA/TUV/CE	26	12"	5.95	5.35	4.79	4.29
395508CG	Sanyo	109R0612S402	12	2.36 x 2.36 x 1.00	23	Ball	170	2.04	UL/CSA/TUV	33	6"	5.95	5.36	4.28	3.21
400881CG	Comair Rotron	CR0612HB-A70GL	12	2.36 x 2.36 x 1.00	23.2	Ball	230	2.76	UL/CSA/TUV	23.2	12"	6.65	6.15	5.84	5.27
401269CG	Delta	AFB0812LB	12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	9.35	6.81	6.40	4.80
109082CG	Adda	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
141920CG	Adda	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.35	5.95	5.75	5.55
16993CG	Various	FAN7315SL ^{4*}	12	3.15 x 3.15 x 1.00	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	6.95	6.26	5.00	3.75
75361CG	Various	FAN6315B1 [*]	12	3.15 x 3.15 x 1.00	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	5.36	4.28	3.21
688597CG	NMB	3110GL-B4W-B19	12	3.15 x 3.15 x 1.00	27.6	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn.	6.95	6.25	5.49	4.69
234894CG	Adda	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5"	8.19	6.39	5.89	5.49
286926CG	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.99	6.29	5.03	3.77

¹ 213428CG: ATX PC type ² 249375CG: Speed sensor ³ 662602CG/662645CG: Locked rotor alarm sensor ⁴ 16993CG: Replacement for PC/XT computer power supply fan * Manufacturer & specifications may vary
 ☉ Blue Part No. = Limited Quantity Available

Brushless Fans continued on page 221

☉ RoHS compliant product

☉ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



234894CG



227900CG

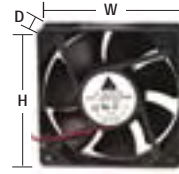
Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating



NEW

Quantity SAVE



163619CG





213567CG

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
154289CG	Sunon	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	\$4.55	\$4.10	\$3.28	\$2.46
123529CG	Adda	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	6.95	6.26	5.00	3.75
265578CG	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35	5"	5.29	5.18	5.07	4.96
662661CG	PanaFlo	FBA0812H1BS ¹	12	3.15 x 3.15 x 1.00	39.6	Sleeve	250	2.08	UL/CSA	32	12"/3 leads	7.95	6.95	5.49	4.49
206181CG	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	5.95	5.39	4.85	4.35
355400CG	ReliaPro	JR-DCF128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.05	5.10	4.80	4.56
249148CG	Sunon	KDE1208PTB1-6	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	None	33.5	12"	6.49	5.85	5.29	4.75
323897CG	Mechatronics	F8025E12B1 ²	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	6.99	5.09	4.79	4.45
421526CG	Panasonic	FBA08A12U-1AZ	12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.69	6.02	4.82	3.61
661061CG	Nidec	TA350DC-M33420-58	12	3.63 x 3.63 x 1.00	42	Ball	210	2.52	UL/TUV	4.8	8"/3 leads	7.25	6.49	4.95	3.29
75441CG	Common Wealth	FP108BDC12VS1	12	3.63 x 3.63 x 1.00	45	Sleeve	320	3.1	UL/CSA/TUV	32	10"	3.79	3.39	3.05	2.75
196023CG	Jamicon	JF0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	5.49	5.22	4.95	4.71
154641CG	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190984CG	Sunon	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	7.25	6.52	5.22	3.92
162739CG	NMB (Smart Fan)	3610KL-04W-B56 [†]	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	6.44	5.80
689215CG	Sunon	KDE1209PTB-6A	12	3.63 x 3.63 x 1.00	56	Ball	360	4.3	UL/CUL/CE	39	11"	7.95	7.16	5.72	4.29
102963CG	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	7.16	5.72	4.29
689872CG	Mechatronic	G9225H12-B	12	3.63 x 3.63 x 1.00	93	Ball	280	3.4	UL/CUL/TUV	26	12" w/ conn.	8.49	7.59	6.65	5.59
174140CG	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	6.95	6.26	5.00	3.75
689231CG	Sunon	KDE1212PTS3-6A	12	4.68 x 4.68 x 1.00	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	8.49	7.65	6.69	5.49
227900CG	Cmn Wealth	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	10.95	9.85	8.89	7.99
363848CG	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	12.95	11.79	10.99	9.99
689856CG	Sunon	KDE1212PTB1-6A	12	4.68 x 4.68 x 1.00	90	Ball	400	4.8	UL/CUL/TUV/CE	44.5	12" w/ conn.	12.95	11.59	10.49	8.95
163619CG	NMB (Smart Fan)	4710NLO12P535P0 [†]	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	4.95	4.46	3.56	2.67
686516CG	ADDA	AD1212HB-F51	12	4.68 x 4.68 x 1.50	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn.	13.95	12.49	10.95	7.95
159020CG	Sunon	KDE1212PMS1-6A	12	4.68 x 4.68 x 1.50	107	Sleeve	570	6.8	UL/CSA/TUV	41	12"	10.95	9.86	7.88	5.91
285966CG	Delta	AFB1212VHE	12	4.68 x 4.68 x 1.50	130	Ball	900	10.8	UL/CSA/VDE/CE	48	6"	14.95	13.45	10.75	8.09
687826CG	Sunon	KDE2404PKB2	24	1.60 x 1.60 x 0.80	7	Ball	40	1.0	UL/CUL/TUV	29	11"	7.95	7.15	6.49	5.29
687818CG	Sunon	KDE2406PHB3	24	2.36 x 2.36 x 0.60	15.2	Sleeve	50	1.2	UL/CUL/TUV	26.5	11"	8.49	7.59	6.59	5.49
421518CG	Panasonic	FBA06T24H	24	2.36 x 2.36 x 0.60	16.6	Sleeve	110	1.99	UL/CSA	32	11"	8.09	7.03	6.31	5.70
140661CG	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	5.95	5.36	4.28	3.21
174107CG	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.69	4.22
189860CG	Jamicon	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
227248CG	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29
687797CG	Sunon	KDE2408PTS3-6	24	3.15 x 3.15 x 1.00	29.4	Sleeve	60	1.5	—	24.5	4" w/ conn.	8.95	7.95	6.95	5.79
290028CG	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.25	7.42	5.94	4.46
662653CG	PanaFlo	FBO8A24M1A	24	3.15 x 3.15 x 1.00	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	7.95	5.95	4.95	4.49
136160CG	Jamicon	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.49	8.55	7.69	6.95
189886CG	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
695041CG	Sunon	KDE2409PTB1-6	24	3.63 x 3.63 x 1.00	51	Ball	140	3.4	—	37	12"	7.95	7.15	5.29	4.95
174094CG	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	6.95	6.26	5.63	5.07
421534CG	Panasonic	FBA09A25M	24	3.63 x 3.63 x 1.00	48	Sleeve	100	2.64	UL/CSA	30	10"	6.69	5.80	4.82	3.61
687762CG	Sunon	KDE2412PTB3-6A	24	4.68 x 4.68 x 1.00	69	Ball	130	3.1	CE	35.5	11"	10.95	9.85	8.79	7.49
249287CG	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
694516CG	Jamicon	JF1238B2LR130-065R	24	4.68 x 4.68 x 1.50	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	16.95	15.49	13.25	11.95
694444CG	Jamicon	JF123852MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	15.95	14.35	12.95	11.49
694524CG	Jamicon	JF1238B2MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	16.95	15.49	13.25	11.95
694532CG	Jamicon	JF1238B2HR130-065R	24	4.68 x 4.68 x 1.50	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	16.95	15.49	13.25	11.95
689063CG	EBM	W2G115-AG75-85	48	5.0 x 5.0 x 1.50	155	Ball	310	15	UL/CUL	52	10"/3 leads	49.95	44.95	39.39	33.95

¹ 662661CG: Locked rotor alarm ² 323897CG: Speed sensor [†] Temperature control: 162739CG (50°C, 3 leads); 163619CG (35°C)  Blue Part No. = Limited Quantity Available

DC Brushless Blowers

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
422801CG	Sunon	GB1205PKV1-8AY	12	2.00 x 2.00 x 0.80	5.7	Vapo	120	1.44	UL/CSA/CE/TUV	35	12" leads	\$12.39	\$9.97	\$9.36	\$8.83
644842CG	Evercool	EC7530M12C-B	12	2.83 x 3.00 x 1.16	10.8	Sleeve	170	2.04	UL/CUL/CE/TUV	30	14" w/ conn.	15.55	10.93	10.27	9.68
614951CG	Delta	BFB0721H	12	2.98 x 2.98 x 1.20	11.3	Ball	60	0.72	UL/CSA/VDE/CE	38	12" leads	11.79	8.35	7.79	7.19
644893CG	Evercool	EC9733M12C-B	12	3.83 x 3.64 x 1.27	19.42	Sleeve	200	2.4	CE	30	14" w/ conn.	20.15	14.16	13.30	12.55
645028CG	Evercool	EC9733H12C-B	12	3.83 x 3.64 x 1.27	23.6	Sleeve	260	3.12	CE	33	14" w/ conn.	20.15	14.16	13.30	12.55
213567CG	Nidec	A34124-33	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	16.95	15.29	12.20	9.15

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

DC Brushless Fans (Continued)



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

Call for additional OEM PRICING – we carry major manufacturers.



- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller

- Agency approved
- Low power consumption
- Low acoustical noise rating



NEW



695682CG



695754CG

Part Number	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Connection (Leads)	Pricing		
										1	10	100
695789CG	032604 (CR0405HB-G70)♣	5	1.57 x 1.57 x 0.40	6.8	Ball	244	0.95	None	12"	\$8.49	\$8.19	\$7.91
695797CG	032622 (CR0412HB-C50)♣	12	1.57 x 1.57 x 0.80	6	Ball	100	1.2	None	12"	8.49	8.19	7.91
695711CG	031156 (FS12B3)♣	12	2.36 x 2.36 x 1.00	18	Ball	142	1.7	UL/CSA/TUV/CE	12"	23.69	22.87	22.08
695703CG	031101 (WT12B3)♣	12	3.15 x 3.15 x 1.26	15	Ball	420	5.1	UL/CUL/TUV	12"	39.09	37.75	36.45
695682CG	030615 (ST12B3)♣	12	3.15 x 3.15 x 1.26	34	Ball	280	3.4	UL/CSA/TUV	12"	22.25	21.47	20.73
695623CG	028868 (MD12B2)♣	12	4.69 x 4.69 x 1.54	110	Ball	500	6	UL/CSA/TUV	Terminals	47.35	45.74	44.16
695658CG	028885 (MD12B5)♣	12	4.69 x 4.69 x 1.54	110	Ball	500	6	UL/CSA/TUV	12"	44.95	43.44	41.94
695771CG	032489 (MC12B3)♣	12	4.73 x 4.73 x 1.26	102	Ball	660	7.9	UL/CSA/TUV	12"	24.49	23.67	22.85
695754CG	032176 (BD12A3)♣	12	4.75 x 4.75 x 1.25	26	Sleeve	900	11	UL/CSA/TUV	12"	36.69	35.45	34.23
695800CG	032628 (CR0424HB-C50)♣	24	1.57 x 1.57 x 0.80	6	Ball	90	2.16	None	12"	8.49	8.19	7.91
695720CG	031157 (FS24B3)♣	24	2.36 x 2.36 x 1.00	18	Ball	80	1.9	UL/CSA/TUV/CE	12"	23.69	22.87	22.08
695674CG	030614 (ST24K3)♣	24	3.15 x 3.15 x 1.26	40	Ball	220	5.3	UL/CSA/TUV	12"	22.45	21.67	20.92
695615CG	028866 (MD24B1)♣	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	12"	47.35	45.74	44.16
695631CG	028869 (MD24B2)♣	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	Terminals	47.35	45.74	44.16
695666CG	030572 (MC24B3)♣	24	4.73 x 4.73 x 1.26	102	Ball	280	6.7	UL/CSA/TUV	12"	24.49	23.67	22.85
695762CG	032183 (SPD24B1)♣	24	6.37 x 6.37 x 2.00	60	Ball	1100	30	UL/CSA/TUV	12"	76.15	73.60	71.07
695691CG	031090 (JQ24B4)♣	24	6.75 x 5.90 x 2.00	235	Ball	850	20.3	UL/CSA/TUV	Terminals	78.25	75.60	72.99
695640CG	028870 (MD48B2)♣	48	4.69 x 4.69 x 1.54	110	Ball	125	6	UL/CSA/TUV	Terminals	47.35	45.74	44.16

AC Tube Axial Fans



- Rating 115 & 220VAC @ 50-60Hz
- Agency approved fans

- Low acoustical noise rating
- Ball and sleeve bearings



NEW



695594CG



695463CG

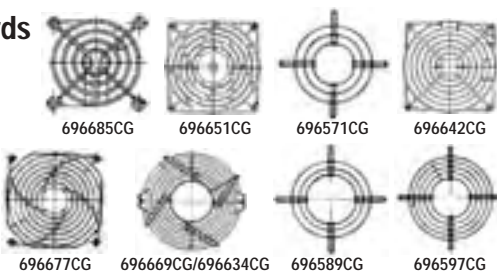
Part Number	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Connection (Leads)	Pricing		
										1	10	100
695535CG	028286 (SU2B1)♣	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	12"	\$29.99	\$28.96	\$27.96
695543CG	028279 (SU2A5)♣	115	3.14 x 3.14 x 1.65	34	Sleeve	150	11	UL/CSA/VDE	Terminals	26.79	25.87	24.97
695578CG	028410 (SU2B5)♣	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	Terminals	29.99	28.96	27.96
695560CG	028316 (MX2A3)♣	115	4.69 x 4.69 x 1.54	110	Sleeve	180	15	UL/CSA/VDE	Terminals	26.49	25.57	24.69
695586CG	028422 (MX2B3)♣	115	4.69 x 4.69 x 1.54	110	Ball	180	15	UL/CSA/VDE	Terminals	39.09	37.75	36.45
695501CG	028027 (MU2B1)♣	115	4.71 x 4.71 x 1.50	105	Ball	160	14	UL/CSA	Terminals	37.09	35.85	34.62
695498CG	028021 (MU2A1)♣	115	4.71 x 4.71 x 1.50	105	Sleeve	160	14	UL/CSA	Terminals	25.15	24.28	23.44
695607CG	028454 (BT2B1)♣	115	4.75 x 4.75 x 1.60	22	Ball	170	14.5	UL/CSA/TUV/CE	Terminals	36.69	35.45	34.23
695519CG	028245 (MR2B3)♣	115	6.15 x 5.92 x 2.00	235	Ball	260	31	UL/CSA/VDE	Terminals	62.95	60.82	58.72
695527CG	028254 (PT2B3)♣	115	6.75 dia. x 2.0 thick	235	Ball	260	31	UL/CSA/VDE	Terminals	62.95	60.82	58.72
695738CG	031842 (MA2B3)♣	115	6.75 x 5.92 x 2.17	300	Ball	360	50	UL/CUL/TUV/CE	Terminals	83.69	80.89	78.10
695439CG	020169 (TNE2C)♣	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	12"	91.15	88.08	85.05
695455CG	020174 (TNE2A)♣	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	Terminals	92.19	89.08	86.01
695463CG	020188 (CLE2L2)♣	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	24"	68.19	65.91	63.64
695471CG	020189 (CLE2T2)♣	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	Terminals	70.29	67.91	65.57
695594CG	028423 (MX3B3)♣	230	4.69 x 4.69 x 1.54	110	Sleeve	90	16	UL/CSA/VDE	Terminals	39.09	37.75	36.45
695551CG	028309 (MR77B3)♣	230	6.75 x 5.92 x 2.00	235	Ball	140	30	UL/CSA/TUV/CE	Terminals	63.25	61.12	59.01
695746CG	031844 (MA77B3)♣	230	6.75 x 5.92 x 2.17	300	Ball	180	—	UL/CUL/TUV/CE	Terminals	83.69	80.89	78.10
695447CG	020172 (TNE3A)♣	230	6.90 x 6.90 x 4.40	330	Ball	260	59	UL/CSA/TUV	Terminals	92.19	89.08	86.01
695480CG	020191 (CLE3T2)♣	230	10 dia. x 3.5 thick	250	Ball	550	—	UL/CSA/TUV/CE	Terminals	70.29	67.91	65.57

Fan Guards

Compatible with Comair DC and AC Fans (above)

- All guards and filters fit all fans by matching the size dimension.

NEW



Part No.	Product No.	Description	1	10	100
696685CG	572621♣	2.09" dia., steel nickel chrome finish	\$2.79	\$2.70	\$2.60
696651CG	551147♣	4.68" dia.	2.49	2.40	2.31
696571CG	476042♣	4.31" dia., steel zinc plated	1.69	1.60	1.54
696642CG	550481♣	4.68" dia.	1.03	1.00	.96
696677CG	552934♣	4.62" dia., steel zinc plated	2.49	2.40	2.31
696669CG	551199♣	6.75" dia., steel zinc plated	3.65	3.50	3.37
696634CG	550272♣	6.75" dia., steel zinc plated	4.05	3.89	3.75
696589CG	476136♣	8.74" dia., steel nickel chrome	6.35	6.09	5.88
696597CG	476323♣	8.25" dia., steel zinc plated	5.19	4.99	4.82

♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

♣ RoHS compliant product

♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



212599CG



275792CG

Call for additional OEM PRICING – we carry major manufacturers.



- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 11 to 226 CFM

Fan Power Cords Below



206308CG



209365CG

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
213866CG	Fulltech	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$15.95	\$14.39	\$12.95	\$11.65
162704CG	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	13.95	12.55	11.64
146077CG	Common Wealth	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	12.95	11.69	10.49	9.45
300556CG	Fulltech	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300257CG	Fulltech	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	11.35	10.19	9.85	9.51
300581CG	Fulltech	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.59	8.64	8.35	8.06
300320CG	Fulltech	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	10.55	9.50	9.19	8.87
300329CG	Fulltech	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300600CG	Fulltech	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	11.39	10.26	9.59	9.09
300388CG	Fulltech	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
297932CG	Fulltech	UF80A11SWH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	12" leads	10.19	9.18	8.99	8.57
303394CG	Fulltech	UF80A11STL	115	3.15 x 3.15 x 1.50	25	Sleeve	100	11.5	UL/CUL/TUV/CE	32	Terminals	8.95	8.15	7.37	6.70
75459CG	Sunon	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65
75432CG	Sunon	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	13.55	12.19	10.99	9.85
303467CG	Sunon	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	14.99	14.39	12.99	10.99
124062CG	Sunon	SP101AT1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	13.49	10.95	9.89	9.19
303407CG	Sunon	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	14.95	13.95	12.95	11.95
303415CG	Common Wealth	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.29	13.75	12.39
303482CG	Fulltech	UF12A11SWL	115	4.68 x 4.68 x 1.50	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.85	11.54	10.77	10.23
303360CG	Fulltech	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
300791CG	Fulltech	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111894CG	Common Wealth	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	14.75	13.19	11.95	10.79
106585CG	Common Wealth	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	15.95	14.39	12.95	11.65
16934CG	Common Wealth	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	15.29	13.75	12.39
212599CG	Fulltech	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	12.95	11.95	10.95	9.95
275792CG	Sunon	SP101A-1123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CUL/CE	50	Terminals	13.45	11.21	9.88	9.19
206308CG	Adda	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.46	10.76	8.07
102883CG	Sunon	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
108724CG	Fulltech	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	27.95	25.16	20.12	17.91
212582CG	Fulltech	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	24.95	22.46	17.96	17.39
189683CG	Fulltech	UF15PC11BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	29.95	26.96	21.56	19.15
355629CG	Fulltech	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100917CG	Sunon	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	10.49	8.39	7.55	6.40
209365CG	Bi-Sonic	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	12.95	11.66	9.32	8.01
302244CG	Rotron	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	17.19	15.49	12.38	9.29
303458CG	Sunon	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102892CG	Sunon	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65

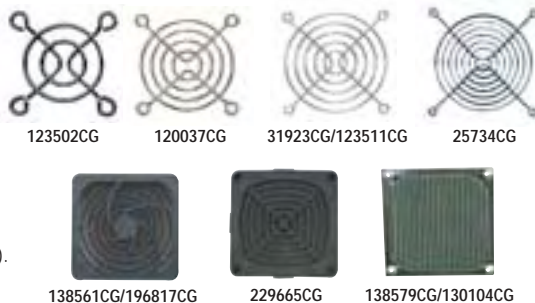
Blue Part No. = Limited Quantity Available

Fan Guards, Filters and Power Cords

Quantity SAVE **SALE**

Compatible with DC and AC Fans – pages 220-223

- All guards and filters fit all fans by matching the size dimension.
- Example:
P/N 300556CG fan (3.15") matches P/N 31923CG metal guard (3.15").



Part No.	Description	1	10	100	250
123502CG	1.60" metal (chrome) guard	\$.49	\$.43	\$.39	\$.35
120037CG	2.36" metal (chrome) guard	.79	.71	.59	.53
687666CG	2.36" steel (anodized) guard	.95	.85	.74	.59
31923CG	3.15" metal (chrome) guard	.79	.65	.51	.44
123511CG	3.63" metal (chrome) guard	.99	.78	.67	.53
25734CG	4.68" metal (chrome) guard	1.09	.98	.88	.79
695068CG	4.68" steel (black anodized) guard	1.09	.98	.88	.79
695076CG	5.00" metal (chrome) guard	1.59	1.39	1.25	1.06
138561CG	3.15" plastic guard with mesh	1.39	1.25	1.15	.95
229665CG	3.63" plastic guard with mesh	1.75	1.55	1.25	.95
196817CG	4.68" plastic guard with mesh	1.95	1.55	1.39	1.25
138579CG	3.15" alum. washable filter	2.95	2.66	2.12	1.59
130104CG	4.68" alum. washable filter	3.49	3.19	2.75	2.49



Fan Power Cords: 24" Straight and Right-Angle

- Cord type: SPT-1 (2) conductor black
- Voltage rating: 300V
- Temperature range: 60°C
- Fits all terminal fans

Part No.	Description	Length	1	10	100	250
28564CG	Straight socket cord	24"	\$.99	\$.88	\$.70	\$.62
104192CG	90° angle socket cord	24"	.99	.88	.71	.70
69562CG	Comair Rotron 90° angle socket cord	24-26"	1.34	1.30	1.25	1.19



This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

30-Watt Open Frame, Low Leakage

MPS-30 Series: Single Output

- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- Working temperature: -10°C to +50°C
- See www.Jameco.com for specs.
- Load regulation: ±1.0%
- Line regulation: ±1.0%
- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- Mounting holes: 3.74"L x 2.02"W x 0.12"Dia.
- 2.9 watts/in³ maximum
- Mating connectors: P/Ns 104723CG & 104432CG, pg 141
- Three-year warranty • Weight: 0.3 lbs.
- Size: 4.0"L x 2.59"W x 0.98"H

The Mean Well MPS-30 medical power supplies are low cost, high reliability open frame power supplies that feature a low leakage current of 0.3mA@240VAC. Other features of this open frame power supply are: universal input of 88-264VAC as well as 120-370VDC for battery-supported applications. Protections include short-circuit, overload, and over-voltage. They are UL and TUV approved, and carry a CE mark for use worldwide.



45 & 65-Watt Open Frame, Low Leakage

MPS-45 & MPS-65 Series: Single Output

- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- Isolation voltage: 4000VAC
- 2.9 watts/in³ max.
- Voltage adjustment: 10%
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specs.
- Leakage current: 0.3mA @ 240V
- Inrush current: 20A @ 120VAC
- Line regulation: ±1.0%
- Load regulation: ±2.0%, except 221057CG, 221145CG: ±3.0%
- Soft-start circuit, limiting AC surge current
- Mating connectors: P/Ns 104432CG and 104731CG, pg 141
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty • Weight: 0.6 lbs.
- Size: MPS-45: 5.0"L x 3.0"W x 1.06"H; MPS-65: 5.0"L x 3.0"W x 1.65"H

The MeanWell MPS-45 & MPS-65 medical power supplies are low cost, high reliability open frame power supplies. Other features of these power supplies are: universal input of 88-264VAC, as well as 120-370VDC for battery-applications. Full rated power is available with 18CFM forced air convection applied. Protections include short-circuit, overload, and over-voltage.



For Complete Specifications visit www.Jameco.com.

Lower \$\$\$

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
220987CG	Mean Well	MPS-30-12	+12V@0-2.5A	30.0W	88-264@47-63	120	UL/CUL/TUV/CE	\$33.95	\$30.49	\$25.59
221057CG	Mean Well	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	\$34.95	27.99	25.99
221065CG	Mean Well	MPS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	\$34.95	27.99	25.99
221081CG	Mean Well	MPS-45-15	+15V@0-3A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.99	25.99	22.99
221111CG	Mean Well	MPS-45-48	+48V@0-1A	48.0W	90-264@47-440	100	UL/CUL/TUV/CE	\$34.95	27.99	25.99
221145CG	Mean Well	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	\$35.95	29.95	26.95
221154CG	Mean Well	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221161CG	Mean Well	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	\$33.95	29.95	26.95
221188CG	Mean Well	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95
221209CG	Mean Well	MPS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95

* Primary Output

3-Conductor Power Cords

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

= Limited Quantity Available

With Pigtail

Cord w/ Pigtail (Fig. 1) Hospital Grade (Fig. 2)

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100
38009CG	17237	.31	1	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29
37997CG	17236	.30	1	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99

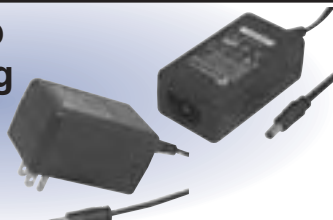
With Hospital Grade Male (green dot)

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100
132011CG	17006G	.82	2	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16
265412CG	EXITOW	.70	2	10'	Gray	18/3	SJT	7.35	6.65	5.95	5.39
115078CG	17006	.84	2	10'	Gray	16/3	SJT	8.95	8.09	7.25	6.55

* Thermoplastic Cord Jacket Type: SVT (Round): Light service; SJT (Round): Junior service

Medical Table-Top and Wall Switching AC-to-DC Power Supplies

See page 248



See pgs 260 & 261 for more Power Cords

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5 to 20W Open-Frame Switching AC-to-DC Power Supplies

- Working temp.: -10 to 60°C
- Free air cooling convection
- 100% full burn-in test
- Two year warranty
- UL/CUL/TUV/CE
- Universal AC input/full range
- Fixed switching frequency @ 100kHz
- High reliability, low-cost
- Short circuit/overload/over-voltage/over-temperature protection



Ultraminiature 5 to 20-Watt Power Supplies



5-Watt OFM-5000 Series	• Size: 2.28"L x 1.77"W x 0.83"H	• Inrush current: 20A @ 115VAC	• Pin-mount
10-Watt OFM-0100 Series	• Size: 2.56"W x 1.77"L x 0.83"H	• Inrush current: 25A @ 115VA	• Pin-mount
15-Watt OFM-1500 Series	• Size: 2.76"L x 1.89"W x 0.83"	• Inrush current: 25A @ 115VA	• Pin-mount
20-Watt OFM-0200 Series	• Size: 3.50"L x 2.00"W x 0.78"	• Inrush current: 25A @ 115VAC	• Chassis-mount

Jameco Part No.	Cross Ref. Number	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing		
		Voltage@Current (min-max)	Power				1	10	25
300281CG	OFM-5001	+5V@0-1A	5W	±2%	±0.5%	50	\$30.39	\$28.50	\$27.08
300417CG	OFM-5003	+15V@0-0.33A	5W	±1%	±0.3	150	20.85	18.99	17.23
300425CG	OFM-5005	+24V@0-0.23A	5W	±0.5%	±0.2	240	27.35	25.65	24.35
300433CG	OFM-0101	+5V@0-2A	10W	±2%	±0.5%	50	27.35	24.85	22.60
300450CG	OFM-0103	+15V@0-0.67A	10W	±1%	±0.3%	180	25.85	23.49	21.33
300468CG	OFM-0105	+24V@0-0.42A	10W	±0.5%	±0.2	240	25.85	23.49	21.33
300476CG	OFM-1501	+5V@0-3A	15W	±2%	±0.5%	60	29.95	27.25	24.74
300484CG	OFM-1502	+12V@0-1.25A	15W	±1%	±0.3	150	40.85	34.75	26.05
300513CG	OFM-0201	+5V@0-4.4A	20W	±2%	±0.5%	50	33.39	30.35	27.59
300521CG	OFM-0202	+12V@0-1.8A	20W	±1%	±0.3%	150	43.69	40.85	38.81
300530CG	OFM-0203	+15V@0-1.4A	20W	±1%	±0.3%	150	43.69	37.15	27.85
300548CG	OFM-0205	+24V@0-0.92A	20W	±0.5%	±0.2%	240	49.39	46.19	43.85

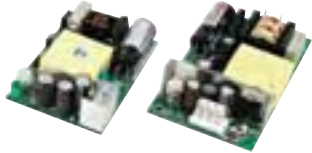
Blue Part No. = Limited Quantity Available

Ultraminiature 5 to 20-Watt Power Supplies

NEW



- 100% full burn-in test
- Three year warranty
- UL/CUL/TUV/CE
- Short circuit/overload/over-voltage/over-temperature protection
- Universal AC input/full range
- Ultra miniature size and lightweight



5-Watt NFM-5000 Series	• Size: 2.28"L x 1.77"W x 0.75"H	• Inrush current: 25A @ 115VAC	• Pin-mount
10-Watt NFM-0100 Series	• Size: 2.56"W x 1.77"L x 0.87"H	• Inrush current: 25A @ 115VAC	• Pin-mount
15-Watt NFM-1500 Series	• Size: 2.76"L x 1.89"W x 0.87"	• Inrush current: 30A @ 115VAC	• Pin-mount
20-Watt NFM-0200 Series	• Size: 3.0"L x 2.00"W x 0.76"	• Mating connector: P/Ns 463435CG & 463443CG pg 143	• Inrush current: 30A @ 115VAC
		• Chassis-mount	

Jameco Part No.	Product Number	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing		
		Voltage@Current (min-max)	Power				1	10	25
694962CG	NFM-05-3.3	+3.3V@0-1.25A	4.13W	±1.5%	±1.0%	80	\$22.99	\$20.99	\$18.99
694971CG	NFM-05-5	+5V@0-1A	5.0W	±1.5%	±1.0%	80	22.99	20.99	18.99
694989CG	NFM-05-12	+12V@0-0.42A	5.04W	±0.5%	±0.5%	150	22.99	20.99	18.99
695009CG	NFM-05-15	+15V@0-0.33A	4.95W	±0.5%	±0.5%	150	22.99	20.99	18.99
694997CG	NFM-05-24	+24V@0-0.23A	5.52W	±0.5%	±0.5%	240	22.99	20.99	18.99
695084CG	NFM-10-3.3	+3.3@0-2.5A	8.25W	±1.0%	±1.0%	80	26.99	24.99	22.99
695092CG	NFM-10-5	+5V@0-2A	10.0W	±1.0%	±1.0%	80	26.99	24.99	22.99
695105CG	NFM-10-12	+12V@0-0.85A	10.2W	±0.5%	±0.5%	150	26.99	24.99	22.99
695113CG	NFM-10-15	+15V@0-0.67A	10.05W	±0.5%	±0.5%	150	26.99	24.99	22.99
695121CG	NFM-10-24	+24V@0-0.42A	10.08W	±0.5%	±0.5%	240	26.99	24.99	22.99
695148CG	NFM-15-3.3	+3.3V@0-3.5A	11.55W	±1.0%	±1.0%	80	30.39	27.99	25.99
695130CG	NFM-15-5	+5V@0-3A	15.0W	±1.0%	±1.0%	80	30.39	27.99	25.99
695156CG	NFM-15-12	+12V@0-1.25A	15.0W	±0.5%	±0.5%	150	30.39	27.99	25.99
695164CG	NFM-15-15	+15V@0-1A	15.0W	±0.5%	±0.5%	150	30.39	27.99	25.99
695172CG	NFM-15-24	+24V@0-0.63A	15.12W	±0.5%	±0.5%	240	30.39	27.99	25.99
695181CG	NFM-20-3.3	+3.3V@0-4.5A	14.85W	±1.0%	±1.5%	80	33.99	31.99	29.99
695199CG	NFM-20-5	+5V@0-4.4A	22.0W	±1.0	±1.5%	80	33.99	31.99	29.99
695201CG	NFM-20-12	+12V@0-1.8A	21.6W	±0.5%	±0.5%	150	33.99	31.99	29.99
695210CG	NFM-20-15	+15V@0-1.4A	21.0W	±0.5%	±0.5%	150	33.99	31.99	29.99
695228CG	NFM-20-24	+24V@0-0.92A	22.08W	±0.5%	±0.5%	240	33.99	31.99	29.99

Extra Savings
for You

To qualify for volume discounts be sure to
contact our sales force on large quantity orders
and scheduled monthly shipments!

1-800-794-9100

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

15 to 45-Watt Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

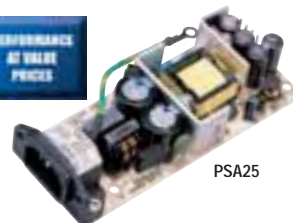


15 & 25-Watt Open Frame

Enclosed Power Supplies
on pages 230-237.

PSA15 & PSA25 Series: Single & Triple Outputs

- Load regulation: $\pm 2.0\%$
- Isolation voltage: 3,000 VAC
- Inrush current: 30A @ 120VAC
- Universal input
- Size: 4.33"L x 1.57"W x 0.91"H, except 230536CG 3.6"L x 2.5"W x 1.1"H
- Line regulation: $\pm 1.0\%$
- Voltage adjustment: 5% (PSA15 only)
- Temperature: 0° to +40°C
- One-year warranty






PSA25



PSA15



Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
229041CG	Phihong 	PSA15LN3-050	+5V@0-3A	15W	90-264@47-63	50	UL/CUL/TUV/CE	\$19.95	\$18.95	\$18.19
229060CG	Phihong 	PSA15LN3-120	+12V@0-1.25A	15W	90-264@47-63	120	UL/CUL/TUV/CE	17.95	16.95	16.19
230536CG	Phihong 	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25W	90-264@47-63	50	UL/CUL/TUV/CE	23.49	21.15	18.99

* Primary Output



25-Watt Open Frame

PS-25 & PD-25 Series: Single & Dual Outputs

- 100% full-load burn-in
- Inrush current: 40A @ 120VAC
- Size: 4.20"L x 2.40"W x 1.10"H
- Working temp.: -10°C to +60°C
- Two-year warranty
- Universal AC input



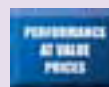
Part Number	Load Reg. (%)	Line Reg. (%)	Part Number	Load Reg. (%)	Line Reg. (%)	Part Number	Load Reg. (%)	Line Reg. (%)
212362CG	2.5	0.5	216769CG	1.0	0.3	212338CG	1.0	0.5
212354CG	2.0	0.5	212346CG	0.5	0.2	212329CG	1.0	0.5
392825CG	2.0	0.5	392817CG	0.5	0.2	394249CG	4.0	2.0
148604CG	1.0	0.3	212311CG	4.0	1.0	148689CG	3.0	0.5
392810CG	1.0	0.3						

* Primary Output

45-Watt Open Frame

PSA45 Series: Single & Triple Outputs

















- Load regulation: $\pm 2.0\%$
- Line regulation: $\pm 2.0\%$
- Universal input
- Inrush current: 20A @ 120VAC
- Temperature: 0° to +50°C
- One-year warranty
- Size: 5.0"L x 3.0"W x 1.2"H
- Weight: 0.9 lbs.



Call for special versions and large quantities

For Complete Specifications visit www.Jameco.com.

Enclosed Power Supplies
on pages 230-237.

on pages 230-237.			Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
Jameco Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power				1	10	25
212362CG	Mean Well 	PS-25-3.3	+3.3V@0-5A	16.5W	85-264@47-63	80	UL/CUL/TUV/CE	\$17.95	\$16.95	\$16.19
212354CG	Mean Well 	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
392825CG	Mean Well 	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
148604CG	Mean Well 	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
392810CG	Mean Well 	PS-25-13.5	+13.5V@0-1.9A	25.7W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
216769CG	Mean Well 	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	16.95	16.10	15.30
212346CG	Mean Well 	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
392817CG	Mean Well 	PS-25-27	+27V@0-0.9A	24.3W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
212311CG	Mean Well 	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	19.95	18.95	17.95
212338CG	Mean Well 	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
212329CG	Mean Well 	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
394249CG	Mean Well 	PD-2503	+3.3V@0.2-5A; +5V@0.1-4A	24.9W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
148689CG	Mean Well 	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
229075CG	Phihong	PSA45-050	+5V@0-8A	40.0W	90-264@47-63	50	UL/CSA/TUV/CE	21.95	20.83	19.59
229091CG	Phihong 	PSA45-120	+12V@0-4A	48.0W	90-264@47-63	120	UL/CSA/TUV/CE	26.95	25.65	24.35
229122CG	Phihong 	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	31.95	28.79	25.89
229140CG	Phihong 	PSA4534	+5V@0-4A; +15V@0-1.2A; -15V@0-0.5A	45.5W	90-264@47-63	50	UL/CSA/TUV/CE	29.95	27.38	24.80

* Primary Output

Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing			
			Voltage@Current (min-max)	Power								1	10	25	
218499CG	Artesyn	NLP25-7624	+24V@0-1.04A		25.0W	85-264@47-440	4.0x2.1x0.9	3.7x1.8x0.13	150	2.0	2.0	UL/CSA/DE/CE	\$28.95	\$26.32	\$23.92
218501CG	Artesyn	NLP25-7608	+5V@0.2-2A; +12V@0.1-0.8A; -12V@0-0.1A		20.8W	90-264@47-440	4.0x2.1x0.9	3.7x1.8x0.13	50	2.0	2.0	UL/CSA/DE/CE	29.09	26.45	24.05
218510CG	Artesyn	NFS40-7605	+5.1V@0-6A		30.6W	85-264@47-440	5.0x3.0x1.2	4.6x2.6x0.16	100	2.0	0.2	UL/CSA/DE/CE	41.99	38.99	35.96
210841CG	Power-One	MAP42-1005	+5V@0-8A		40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	17.95	15.29	11.44
664270CG	Power-One	MAP40-3100	+5V@3A; +12V@2A; -12V@0.3A		40.0W	85-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	50	2.0	0.2	UL/CSA/TUV/CE	39.95	34.95	29.95
622539CG	Phihong	PSA-4034	+5.1V@5-3A; +15V@2-2A; -15@0.5A		40.0W	90-264@47-63	5.0x3.0x1.2	4.5x2.6x0.16	50	—	—	UL/CSA/DE/CE	24.95	21.21	15.95

* Primary Output

Blue Part No. = Limited Quantity Available

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

This product has a RoHS equivalent, manufacturer may vary.

45 to 65W Open-Frame Switching AC-to-DC Power Supplies

45-Watt Open Frame

PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Load regulation: $\pm 3.0\%$ (except 213728CG/213719CG/374352CG/374362CG: $\pm 2.0\%$)
- Line regulation: $\pm 1.0\%$
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.06"H
- Working temperature: -10° to +60°C
- See www.Jameco.com for specifications



65-Watt Open Frame

PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Line & load regulation: ± 1.0 to $\pm 4.0\%$
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specifications
- In-rush current: 20A @ 120VAC
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.

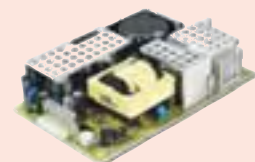


65-Watt Open Frame

- 100% full burn-in tested
- Short circuit/overload/over-voltage protection
- Line regulation: $\pm 1.0\%$
- Working temperature: -20°C to +60°C
- Two-year warranty
- Mating connectors: P/Ns 236152CG & 236187CG, pg 142
- Universal AC input
- Input: 90-264VAC @ 47-440Hz; 127-370VDC
- Load regulation: $\pm 2.0\%$
- Size: 5.0"L x 2.0"W x 1.1"H
- See www.Jameco.com for specifications

RPD-65 Series: Dual Output • 60W free air convection; 77W with 18 CFM forced air

RPT-65 Series: Triple Output • 60W free air convection; 77W with 18 CFM forced air



Enclosed Power Supplies
on pages 230-237.



For Complete Specifications visit www.Jameco.com.

NEW

Lower \$\$\$

Jameco Part No.		Manufacturer	Product No.	Output		Input	Ripple & Noise	Certification	Pricing		
				Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*		1	10	25
217331CG	Mean Well	PS-45-5		+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	\$25.95	\$18.99	\$15.99
213728CG	Mean Well	PS-45-12		+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	25.99	18.99	15.99
374352CG	Mean Well	PS-45-15		+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	\$27.95 25.99	18.99	15.99
213719CG	Mean Well	PS-45-24		+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	\$27.95 25.99	18.99	15.99
374362CG	Mean Well	PS-45-27		+27V@0-1.95A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	25.99	18.99	15.99
194862CG	Mean Well	PD-45A		+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
194871CG	Mean Well	PD-45B		+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	20.99	17.99
88401CG	Mean Well	PT-45B		+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	29.95	23.09	20.89
201938CG	Mean Well	PS-65-5		+5V@0-12A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
148639CG	Mean Well	PS-65-12		+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
374379CG	Mean Well	PS-65-13.5		+13.5V@0-5.4A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	\$29.95 27.99	23.95	19.95
216751CG	Mean Well	PS-65-15		+15V@0-4.2A	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
148647CG	Mean Well	PS-65-24		+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201946CG	Mean Well	PS-65-27		+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
201953CG	Mean Well	PS-65-48		+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	\$29.95 27.95	23.95	19.95
194888CG	Mean Well	PD-65A		+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
194897CG	Mean Well	PD-65B		+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
216733CG	Mean Well	PT-65B		+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
216725CG	Mean Well	PT-65C		+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
215707CG	Mean Well	PT-65D		+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.45	20.19
394222CG	Mean Well	PT-6503		+3.3V@0-7A; +5V@0.2-10A; +12V@0-1.2A	61.8W	90-264@47-63	50	UL/CUL/TUV/CE	51.35	48.45	45.99
668781CG	Mean Well	RPD-65C		+5V@0-1.5A; +12V@0-5.8A	60.0W	90-264@47-440	120	UL/CUL/TUV/CE/CB	35.35	33.19	31.35
668799CG	Mean Well	RPD-65D		+5V@0-1.5A; +24V@0-2.9A	60.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	35.35	33.19	31.35
668801CG	Mean Well	RPT-65E		+5V@0-1.5A; +12V@0.18-5.8A; -5V@0-0.7A	62.5W	90-264@47-440	120	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668810CG	Mean Well	RPT-65F		+5V@0-1.5A; +12V@0.18-5.8A; -12V@0-0.7A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668828CG	Mean Well	RPT-65G		+5V@0-1.5A; +12V@0-0.7A; +24V@0.09-2.9A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45

* Primary Output • Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty													Quantity SAVE		
Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing			
			Voltage@Current (min-max)	Power								1	10	25	
673934CG	Martek	PVI-50-46BUB	+5V@6.5; +3.3@2.5; +12@0.8; -12@0.5	57.0W	100-240@50-60	8.1x3.2x1.5	—	—	—	—	UL/CUL/CSA/TUV/CE	\$15.95	\$13.95	\$11.49	
226211CG	Phihong 	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	29.95	25.46	19.09	
171731CG	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A	65.0W	90-270@47-63	5.8x3.3x1.4	—	50	2.0	2.0	UL/CUL/TUV	7.95	6.76	5.07	
692377CG	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-260@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	15.95	14.35	12.59	
235088CG	Artesyn	NLP65-7629	+5V@0-7A; +12V@0-2.5A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/CE	28.35	25.75	23.45	
			-12V@0.8A												
229850CG	IPD Power 	SRW-65-3003	+5V@5A; +15V@3.5A; -15V@1A	65.0W	85-264@47-63	6.0x4.0x1.1	5.7x3.5x0.15	50	1.0	—	UL/CUL/TUV/CE	22.95	19.51	14.63	

* Primary Output

RoHS compliant product • This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. • This product has a RoHS equivalent, manufacturer may vary.

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

227

75 to 110W Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

75-Watt Open Frame

LPS-75 Series: Single Outputs

- 100% full-load burn-in
- Universal AC input
- Built-in remote ON/OFF
- Line regulation: $\pm 1.0\%$
- Load regulation: $\pm 2.0\%$
- Voltage adjustment: 10%
- Inrush current: 24A @ 120VAC
- Working temp.: -20°C to +60°C
- Two-year warranty
- Size: 8.74"L x 2.16"W x 1.18"H • Weight: 0.5 lbs.
- See www.Jameco.com for specifications



100-Watt Open Frame

LPS-100 Series: Single Output

- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- Load regulation: $\pm 1.5\%$, except 173463CG: $\pm 0.5\%$
- Line regulation: $\pm 0.5\%$
- Voltage adjustment: 10%
- Inrush current: 30A @ 120VAC
- Three-year warranty
- Size: 8.74"L x 2.44" x 1.25"W
- Working temp.: -10°C to +60°C
- Weight: 0.8 lbs.
- See www.Jameco.com for specifications



100-Watt Open Frame with Power Factor Correction

LPP-100 Series: Single Output

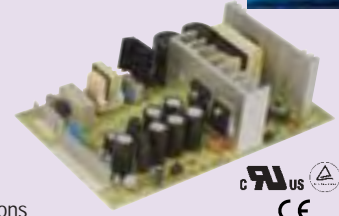
- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 4.4 watts/in³ maximum
- Load regulation: $\pm 0.5\%$
- Line regulation: $\pm 0.5\%$
- Isolation voltage: 3000VAC
- Inrush current: 40A @ 120VAC
- Voltage adjustment: 10% • Leakage current: 2.0mA @ 240V
- Three-year warranty • Weight: 0.8 lbs. • Size: 8.75"L x 2.44"W x 1.25"H
- Mounting holes: 8.34"L x 2.04"W x 0.13"Dia.
- Mating connectors: P/Ns 215950CG & 215976CG, pg 141
- Working temperature: -10°C to +60°C • See www.Jameco.com for specifications



110-Watt Open Frame

PD-110B: Dual Output

- 100% full-load burn-in
- Universal AC input
- Cooling by free air convection
- Load and line regulation: $\pm 1.0\%$
- Ripple and noise: 100mVp-p
- Short circuit/overload/over-voltage protection
- Size: 7.0"L x 4.3"W x 1.8"H
- Working temperature: -10°C to +50°C
- See www.Jameco.com for specifications



Save Big! Special Values!

Sale Priced Items = Yellow Exceptional Quantity Discounts = Green

Enclosed Power Supplies on pages 230-237.

For Complete Specifications visit www.Jameco.com.

SALE

on pages 230-231.

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p) *	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
244726CG	Mean Well	LPS-75-24	+24V@0-3.5A	76.8W	90-264@47-63	120	UL/CUL/TUV/CE	\$34.95	\$31.45	\$28.31
173471CG	Mean Well	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
374344CG	Mean Well	LPS-100-13.5	+13.5V@0-7.5A	101.3W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
173463CG	Mean Well	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	150	UL/CUL/TUV/CE	52.95	48.39	42.89
216709CG	Mean Well	LPS-100-48	+48V@0-2.1A	100.8W	88-264@47-63	200	UL/CUL/TUV/CE	52.95	48.39	42.89
216688CG	Mean Well	LPP-100-12	+12V@0-8.5A	102.0W	85-264@47-63	100	UL/CUL/TUV/CE	49.95	46.95	43.95
204610CG	Mean Well	LPP-100-24	+24V@0-4.2A	100.8W	85-264@47-63	150	UL/CUL/TUV/CE	52.15	46.95	43.95
375056CG	Mean Well	PD-110B	+5V@0.5-5A; +24V@0.5-3.5A	109.0W	100-264@47-63	100	UL/CUL/TUV/CE	55.95	51.95	47.95

* Primary Output

Blue Part No. = Limited Quantity Available

Call for special versions and large quantities

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (%)*	Line Reg. (%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
218915CG	Artesyn	NLP110-9605	+5V@0.5-15A	75.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	\$59.59	\$52.73	\$47.46
218923CG	Artesyn	NLP110-9612	+12V@0.3-6.4A	76.8W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/VDE	76.49	68.78	61.90
218931CG	Artesyn	NLP110-9624	+24V@0.2-3.2A	76.8W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	240	2.0	2.0	UL/CUL/CSA/VDE	78.15	70.31	63.28
202876CG	Power-One	MAP80-4003	+5V@14A; +15V@3.5A; -5V@1A; -15V@1A	80.0W	100-230@47-63	7.2x4.3x1.8	6.7x3.2x0.17	50	1.0	0.2	UL/CSA/TUV/CE	19.95	16.96	12.72
237024CG	Lite-On	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	16.96	12.72
218940CG	Artesyn	NLP110-9693	+3.3V@0.2-13A; +5V@0.5-13A; +12V@0-0.65A	110.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	78.15	70.31	63.28
218958CG	Artesyn	NLP110-9608	+5V@0.2-13A; +12V@0.2-6.5A; -12V@0-0.65A	110.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	120	2.0	2.0	UL/CUL/CSA/VDE	96.69	87.00	78.30
645298CG	Mean Well	PQ-100DTR	+5V@5A; +12V@2A; +24V@2A; -12V@.3A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	—	44.95	38.25	28.65

* Primary Output

Blue Part No. = Limited Quantity Available

Extra Savings for You

To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments!

1-800-794-9100

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

125-Watt Open Frame with Power Factor Correction

- 100% full-load burn-in
- Universal AC input
- Line regulation: $\pm 0.5\%$
- Size: 5.0"L x 3.0"W x 1.4"H
- See www.Jameco.com for specifications

PPS-125 Series: Single Output

- Load regulation: $\pm 1.0\%$
- Working temperature: -40° to +85°C

PPT-125 Series: Triple Output

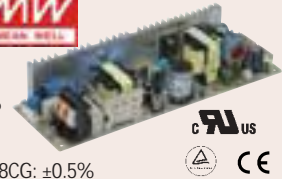
- Load regulation: $\pm 3.0\%$
- Working temperature: -20° to +60°C



150-Watt Open Frame with Power Factor Correction

LPP-150 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Line regulation: $\pm 0.5\%$
- Auto-switch AC input
- Load regulation: 213680CG, 375065CG & 392771CG: $\pm 1.0\%$; 213671CG, 216646CG & 392788CG: $\pm 0.5\%$
- Mating connectors: P/N 215950CG & 215968CG, pg 141
- Three-year warranty
- Working temperature: -10°C to +60°C
- Size: 8.74"L x 2.95"W x 1.61"H



200-Watt Open Frame with Power Factor Correction

PPS-200 Series: Single Output

- High efficiency up to 90% (typical)
- Free air convection for 150W; 20.5 CFM forced air for 200W
- PWM control & regulated
- Load regulation: $\pm 1.0\%$; line regulation: $\pm 0.5\%$
- Short circuit/overload/over-voltage protection
- Mating connectors: P/N 236152CG & 236208CG, pg 142
- Working temperature: -20°C to +70°C
- Size: 5.0"L x 3.0"W x 1.4"H
- Three-year warranty



225 & 350-Watt U Bracket Type with Power Factor Correction

- Universal AC input / full range
- Active AC surge current limiting
- Load regulation: $\pm 1.0\%$; line regulation: $\pm 0.5\%$
- Short circuit/overload/over-voltage/over-temperature protection
- Three year warranty

USP-225 Series: Single Output

- Size: 8.0"L x 4.0"W x 1.5"H
- Free air convection for 150W and forced air convection for 225W
- Mating connectors: P/N 236152CG or 463435CG (input), pg 143; P/N 303651CG (output), pg 145
- Working temperature: -20°C to +65°C

USP-350 Series: Single Output

- Size: 9.3"L x 4.0"W x 1.5"H
- Free air convection for 300W; 23.5 CFM forced air for 350W
- Working temperature: -10°C to +65°C
- Mating connectors: P/N 236267CG & (2) 236304CG, pg 142



For Complete Specifications visit www.Jameco.com.

Jameco		Enclosed Power Supplies on pages 230-237.		Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)		Power				1	10	25
374088CG	Mean Well	PPS-125-12	+12V@0-10.5A		126.0W	90-264@47-63	100	UL/CUL/TUV/CE	\$93.99	\$79.84	\$74.45
374096CG	Mean Well	PPS-125-15	+15V@0-8.4A		126.0W	90-264@47-63	100	UL/CUL/TUV/CE	\$93.99	79.85	74.45
301428CG	Mean Well	PPS-125-24	+24V@0-5.2A		124.8W	90-264@47-63	150	UL/CUL/TUV/CE	\$93.99	79.85	74.45
301487CG	Mean Well	PPT-125B	+5V@1-14.4A; +12V@.3-3.8A; -12V@.05-.63A		124.5W	90-264@47-63	100	UL/CUL/TUV/CE		103.55	79.86
301495CG	Mean Well	PPT-125C	+5V@1-13.8A; +15V@.25-3.1A; -15V@.05-.63A		125.1W	90-264@47-63	100	UL/CUL/TUV/CE		87.19	74.11
213680CG	Mean Well	LPP-150-12	+12V@0-12.5A		150.0W	85-264@47-63	100	UL/CUL/TUV/CE		67.45	63.95
392771CG	Mean Well	LPP-150-13.5	+13.5V@0-11.2A		151.2W	85-264@47-63	100	UL/CUL/TUV/CE		69.95	63.95
375065CG	Mean Well	LPP-150-15	+15V@0-10.0A		150.0W	85-264@47-63	100	UL/CUL/TUV/CE		68.45	64.60
213671CG	Mean Well	LPP-150-24	+24V@0-6.3A		150.0W	85-264@47-63	150	UL/CUL/TUV/CE		68.45	63.95
392788CG	Mean Well	LPP-150-27	+27V@0-5.6A		151.2W	85-264@47-63	150	UL/CUL/TUV/CE		68.45	63.95
216646CG	Mean Well	LPP-150-48	+48V@0-3.2A		153.6W	85-264@47-63	250	UL/CUL/TUV/CE		68.45	64.60
668705CG	Mean Well	PPS-200-5	+5V@0-36A		180.0W	90-264@47-63	80	UL/CUL/TUV/CE		109.89	99.69
668713CG	Mean Well	PPS-200-12	+12V@0-16.6A		199.2W	90-264@47-63	100	UL/CUL/TUV/CE		105.89	99.69
668721CG	Mean Well	PPS-200-15	+15V@0-13.3A		199.5W	90-264@47-63	100	UL/CUL/TUV/CE		158.95	149.65
668730CG	Mean Well	PPS-200-24	+24V@0-8.3A		199.2W	90-264@47-63	150	UL/CUL/TUV/CE		158.95	149.65
668748CG	Mean Well	PPS-200-27	+27V@0-7.4A		199.8W	90-264@47-63	150	UL/CUL/TUV/CE		158.95	149.65
694452CG	Mean Well	USP-225-3.3	+3.3V@0-40A		132.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB		126.99	121.25
694461CG	Mean Well	USP-225-5	+5V@0-40A		200.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB		126.99	121.25
694479CG	Mean Well	USP-225-12	+12V@0-18.7A		224.4W	90-264@47-63	100	UL/CUL/TUV/CE/CB		126.99	121.25
694487CG	Mean Well	USP-225-15	+15V@0-15A		225.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB		126.99	121.25
694495CG	Mean Well	USP-225-24	+24V@0-9.4A		225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB		126.99	121.25
694508CG	Mean Well	USP-225-48	+48V@0-4.7A		225.6W	90-264@47-63	250	UL/CUL/TUV/CE/CB		126.99	121.25
694399CG	Mean Well	USP-350-3.3	+3.3V@0-70A		231.0W	90-264@47-63	80	UL/CUL/TUV/CE		203.59	197.49
694401CG	Mean Well	USP-350-5	+5V@0-70A		350.0W	90-264@47-63	80	UL/CUL/TUV/CE		203.59	197.49
694410CG	Mean Well	USP-350-12	+12V@0-29.2A		350.4W	90-264@47-63	100	UL/CUL/TUV/CE		203.59	197.49
694428CG	Mean Well	USP-350-15	+15V@0-23.4A		351.0W	90-264@47-63	100	UL/CUL/TUV/CE		203.59	197.49
694436CG	Mean Well	USP-350-24	+24V@0-14.6A		350.4W	90-264@47-63	150	UL/CUL/TUV/CE		203.59	197.49
668756CG	Mean Well	USP-350-48	+48V@0-7.3A		300.0W	90-264@47-63	150	UL/CUL/TUV/CE		158.95	149.65

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Mfr.	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
670813CG	Intl. Power	PM110-13A	+15V@0-7.5A	110.0W	85-264@47-63	7.0x4.3x1.9	6.5x3.8x0.16	15	—	—	UL/CSA/TUV	\$59.95	\$50.99	\$38.22
219011CG	Artesyn	NLP150L-96S5	+5.1V@1-22A	112.2W	90-264@47-63	6.8x3.8x1.3	6.5x3.5x0.16	50	2.0	2.0	UL/CSA/VDE/CE	79.55	71.56	64.40
219002CG	Artesyn	NLP150L-96S8	+24V@0.15-4.6A	110.4W	90-264@47-63	6.8x3.8x1.3	6.5x3.5x0.16	240	2.0	2.0	UL/CSA/VDE/CE	92.75	83.49	75.14
196795CG	Cherokee	QP2A2-1A-A	+5V@40A; +12V@2.5A	230.0W	115/230@50-60	10.0x4.3x2.5	7.5x3.0x0.15	50	0.25	0.25	TUV	14.35	13.65	12.95
196461CG	TODD	MAX3541205AC	+5V@50A; +12V@12A; -5V@2A; -12V@4A	350.0W	115/230@50-60	9.0x5.0x2.5	6.5x3.9x0.08	50	1.0	1.0	TUV	47.95	40.79	30.59

♣ Pull = Extra Savings * Primary Output ⚡ Blue Part No. = Limited Quantity Available

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

15 to 45-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend			
New	Sale	Lower\$	QtySave

25-Watt Enclosed

RS-25 Series: Single Output

- New smaller design: 3.0" x 2" x 1.1"
- 3.66 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- Mating connector: 103587CG, pg 168
- High operating temperature up to 70°C
- Three-year warranty



25-Watt Enclosed

S-25 Series: Single Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- 1.2 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: 103587CG, pg 168
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CG, 222156CG, 222172CG & 222164CG



• Two-year warranty

35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output

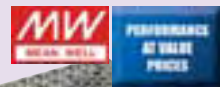
- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105°C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- Mating connector: 103587CG, pg 168
- High operating temperature up to 70°C
- Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103587CG, pg 168
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CG, 222156CG & 222172CG



• Two-year warranty



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

NEW

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
693193CG	Mean Well	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	\$29.09	\$25.23	\$24.45
323282CG	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	24.45
323300CG	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
323301CG	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	24.45
323311CG	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	24.45
693206CG	Mean Well	RS-25-48	+48V@0-0.57A	27.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	24.45
123246CG	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	39.95	32.10	28.90
123254CG	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123262CG	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123272CG	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
639214CG	Mean Well	RS-35-3.3	+3.3V@0-7A	23.1W	80	2	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	30.09
323328CG	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	30.09
323337CG	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	30.09
323345CG	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	30.09
323353CG	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.99	30.99	30.09
693222CG	Mean Well	RS-35-48	+48V@0-0.8A	38.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	36.99	30.99	30.09
323362CG	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
323380CG	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
123289CG	Mean Well	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123297CG	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
202139CG	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123318CG	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
201989CG	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	49.95	42.46	31.84
201996CG	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90
202008CG	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90

* Primary Output

Blue Part No. = Limited Quantity Available

Call for special versions and large quantities

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

NEW

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689848CG	Potrans	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	\$22.95	\$20.49	\$18.95
692422CG	Volgen	SX15U-05S	+5V@3.0A	15.0W	100	—	—	UL/CSA	19.95	17.95	16.15
689805CG	Potrans	1M041C05-1M	+5V@0-8.0A	40.0W	75	—	—	UL/CUL/TUV/CE	38.95	35.00	29.95
689830CG	Potrans	1M041C12-1M	+12V@0-3.5A	42.0W	100	—	—	UL/CUL/TUV/CE	38.95	35.00	29.95
689792CG	Potrans	1M041C24-1M	+24V@0-1.8A	43.0W	100	—	—	UL/CUL/TUV/CE	38.95	35.00	29.95

* Primary Output

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

35 to 75-Watt Enclosed Switching AC-to-DC Power Supplies

50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series:
Single, Dual, Triple & Quad Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

UL US CE CB



60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series:
Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- Two-year warranty
- See www.Jameco.com for specifications

UL US CE CB



65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series:
Dual, Triple & Quad Outputs

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

UL US CE CB



75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

UL US CE CB



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
693231CG	Mean Well	RS-50-3.3	+3.3V@0-10A	33.0W	80	2	0.5	UL/CUL/TUV/CE/CB	\$39.79	\$33.95	\$32.93
323388CG	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323396CG	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323409CG	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323417CG	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
693249CG	Mean Well	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323425CG	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323432CG	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323441CG	Mean Well	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323460CG	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323467CG	Mean Well	RT-50C	+5V@0.5-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323476CG	Mean Well	RT-50D	+5V@0.5-5A; +12V@0.1-1A; +24V@0.2-1.5A	51.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323484CG	Mean Well	RQ-50B	+5V@0.5-6A; +12V@0.2-1.5A; -5V@0-1A; -12V@0-1A	45.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323491CG	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
123326CG	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	53.95	48.55	42.99
123335CG	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123343CG	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123352CG	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123457CG	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123465CG	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123481CG	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
123490CG	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
147045CG	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	59.95	49.90	44.90
323504CG	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323512CG	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323521CG	Mean Well	RT-65A	+5V@0.5-8A; +12V@0.2-3.5A; -5V@0-1A	66.1W	80	1	0.5	UL/CUL/TUV/CE/CB	42.79	40.65	38.65
323539CG	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323547CG	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323555CG	Mean Well	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323563CG	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323571CG	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
693257CG	Mean Well	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323581CG	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323599CG	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323601CG	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323620CG	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
693265CG	Mean Well	RS-75-48	+48V@0-1.6A	76.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69

* Primary Output

Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

NEW

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689784CG	Potrans	1M051C05-0M	+5V@10.0A	50.0W	—	—	—	UL/CUL	\$34.95	\$31.00	\$27.95
689768CG	Potrans	FS-06005-0M	+5V@0-12.0A	60.0W	120	—	—	UL/CUL/CE	45.95	41.00	35.95
689821CG	Potrans	1M051C12-1M	+12V@0-4.2A	50.0W	100	—	—	UL/CUL/TUV/CE	34.95	31.00	27.95
689813CG	Potrans	1M061C05-0M	+12V@0-5.0A	60.0W	120	—	—	UL/CUL/TUV/CE	47.95	43.00	37.95

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Order 24/7 Toll Free 1-800-831-4242

231

Color Code Legend
New Sale Lower\$ QtySave

50 to 100-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

75-Watt Enclosed with Power Factor Correction

SP-75 & TP-75B Series: Single & Triple Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

CE CB



85-Watt Enclosed with Power Factor Correction

RD-85, RT-85 & RQ-85 Series: Dual, Triple & Quad Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

CE CB



100-Watt Enclosed

RS-100 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

CE CB



100-Watt Enclosed

S-100F Series: Single Output

- 100% full-load burn-in
- Two-year warranty
- See www.Jameco.com for specifications

CE CB

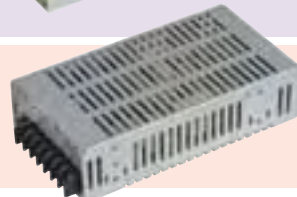


100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications

CE CB



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

SALE

NEW

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
693370CG	Mean Well	SP-75-3.3	+3.3V@0-15.0A	49.5W	80	1	0.5	UL/CUL/TUV/CE/CB	\$77.59	\$73.69	\$71.49
194829CG	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
693388CG	Mean Well	SP-75-7.5	+7.5V@0-10.0A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
194837CG	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
693396CG	Mean Well	SP-75-13.5	+13.5V@0-5.6A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
194845CG	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
194853CG	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
693409CG	Mean Well	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
216805CG	Mean Well	SP-75-48	+48V@0-1.6A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
375048CG	Mean Well	TP-75B	+5V@1.5-10A; +12V@0.2-4A; -12V@0-0.6A	75.8W	100	3	1	UL/CUL/TUV/CE/CB	78.85	74.10	70.40
323627CG	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323635CG	Mean Well	RD-85B	+5V@2-10A; +24V@0.3-2.5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323644CG	Mean Well	RT-85A	+5V@2-10A; +12V@0.3-4A; -5V@0-1A	84.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323651CG	Mean Well	RT-85B	+5V@2-10A; +12V@0.3-4A; -12V@0-1A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	59.89	56.89	54.05
323661CG	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323678CG	Mean Well	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323686CG	Mean Well	RQ-85B	+5V@2-10A; +12V@0.3-4A; -5V@0-1A; -12V@0-1A	80.7W	80	1	0.5	UL/CUL/TUV/CE/CB	59.99	56.99	54.15
323695CG	Mean Well	RQ-85D	+5V@2-10A; +12V@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
693273CG	Mean Well	RS-100-3.3	+3.3V@0-20.0A	66.0W	80	2	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
323707CG	Mean Well	RS-100-5	+5V@0-16A	80.0W	80	1	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
323716CG	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
323723CG	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
323731CG	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
693290CG	Mean Well	RS-100-48	+48V@0-2.3A	110.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	51.75
201961CG	Mean Well	S-100F-5	+5V@0-20A	100.0W	100	1	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
374919CG	Mean Well	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123385CG	Mean Well	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
212450CG	Mean Well	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
201970CG	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
216792CG	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	37.43
693441CG	Mean Well	SP-100-3.3	+3.3V@0-20.0A	66.0W	100	1	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194790CG	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
693450CG	Mean Well	SP-100-7.5	+7.5V@0-13.5A	101.3W	100	1	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194803CG	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
693476CG	Mean Well	SP-100-13.5	+13.5V@0-7.5A	101.3W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
212433CG	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194812CG	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
394169CG	Mean Well	SP-100-27	+27V@0-3.8A	102.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
693484CG	Mean Well	SP-100-48	+48V@0-2.1A	100.8W	250	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
213778CG	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	118.95	106.95	96.35

* Primary Output

Blue Part No. = Limited Quantity Available

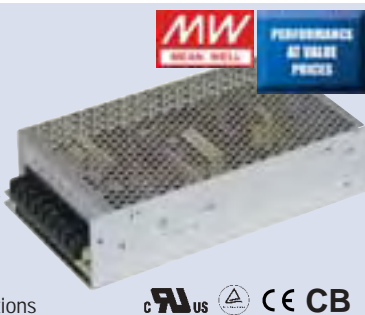
RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

120-Watt Enclosed


D-120, T-120 & Q-120 Series: Dual, Triple & Quad Outputs

- 100% full-load burn-in
- Mating connector:
P/N 103587CG, pg 168
- Working temperature: -10°C to +60°C
- Mounting hardware:
use P/Ns 222130CG,
222156CG and 222172CG
- Two-year warranty
- See www.Jameco.com for specifications



150-Watt Enclosed



RS-150 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
 - 3.3 watts/in³ power density
 - 100% full-load burn-in
 - 105°C output capacitor
 - Cooling by free air convection
 - High operating temperature up to 70°C
 - Universal AC input: 88-264VAC @ 47-63Hz
 - Short circuit/overload/over-voltage protection
 - Withstanding voltage of 300VAC surge input for 5 seconds
 - Mating connector: 103587CG, pg 168
 - Three-year warranty
- 



125-Watt Enclosed

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Output

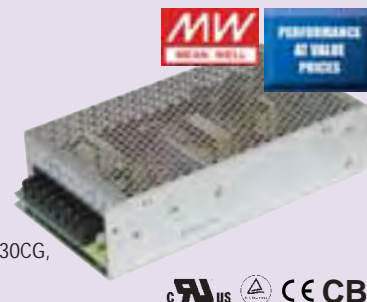
- New smaller design: 7.8" x 3.9" x 1.5"
 - 2.7 watts/in³ power density
 - 100% full-load burn-in
 - 105°C output capacitors
 - Universal AC input:
88-264VAC @ 47-63Hz
 - Short circuit/overload/
over-voltage protection
 - Withstanding voltage of 300VAC surge input for 5 seconds
 - High operating temperature up to 70°C
 - Mating connector: 103587CG, pg 168
 - See www.jameco.com for specifications
- 
- UL US  CE
- Cooling by free air convection
 - Three-year warranty



150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- No minimum load required
- Voltage adj.: 10%
- Mating connector:
P/N 103587CG, pg 168
- Input: 88-132/176-264 @ 47-63Hz
- Working temperature: -10° to +60°C
- Mounting hardware: use P/Ns 222130CG,
222156CG & 222172CG
- Two-year warranty
- See www.Jameco.com for specifications



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

NEW

on pages 224-229.			Output			Ripple & Noise (mV p-p) *	Load Reg. (±%) *	Line Reg. (±%) *	Certification	Pricing		
Jameco Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	1					10	25	
132409CG	Mean Well ☺	D-120A ☼	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	\$69.95	\$59.46	\$44.59	
132396CG	Mean Well ☺	D-120B ☼	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	59.46	44.59	
301508CG	Mean Well ☺	T-120B	+5V@2-12A; +12V@0.5-5A; -12V@0.2-1A	121.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89	
301516CG	Mean Well ☺	T-120C ☼	+5V@2-12A; +15V@0.5-5A; -15V@0.2-1A	117.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89	
132388CG	Mean Well ☺	Q-120B ☼	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09	
132371CG	Mean Well ☼	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09	
323741CG	Mean Well ☼	RD-125A	+5V@2-15A; +12V@0.5-10A	130.9W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39	
323758CG	Mean Well ☺	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39	
323766CG	Mean Well ☺	RT-125A	+5V@2-15A; +12V@0.5-6A; -5V@0.1-1A	131.0W	80	1	0.5	UL/CUL/TUV/CE/CB	64.95	54.79	52.09	
323774CG	Mean Well ☺	RT-125B	+5V@2-15A; +12v@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85	
323783CG	Mean Well ☼	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85	
323791CG	Mean Well ☺	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85	
323803CG	Mean Well ☺	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65	
323812CG	Mean Well ☼	RQ-125D	+5V@2-12A; +12V@0.5-4A; +24V@0.1-2.5A; -12V@0-1A	124.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65	
693329CG	Mean Well ☼	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
323821CG	Mean Well ☼	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
323839CG	Mean Well ☼	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
323847CG	Mean Well ☼	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
323855CG	Mean Well ☼	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
323863CG	Mean Well ☼	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	55.49	
123394CG	Mean Well ☼	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
123415CG	Mean Well ☼	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
693353CG	Mean Well ☼	S-150-9	+9V@0-16.7A	150.3W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
123422CG	Mean Well ☺	S-150-12 ☼	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
202025CG	Mean Well ☼	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
123431CG	Mean Well ☺	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
123449CG	Mean Well ☺	S-150-24 ☼	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
202033CG	Mean Well ☼	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	
167346CG	Mean Well ☼	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	62.95	60.99	59.09	

* Primary Output

★ Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
323871CG	Volgen	SP100U-24S	+24V@4.4A	105.6W	150	0.4	0.2	—	\$44.95	\$40.45	\$38.45

* Primary Output

R RoHS compliant product **⊕** This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

150 to 240-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend			
New	Sale	Lower\$	QtySave

150-Watt Enclosed with Power Factor Correction

SP-150, TP-150 & QP-150 Series:
Single, Triple & Quad Outputs

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Mating connector: P/N 103587CG, pg 168
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specifications
- Three-year warranty



200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output

- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103587CG, pg 168
- Working temperature: -10° to +60°C
- See www.Jameco.com for specifications
- Three-year warranty



200-Watt Enclosed with Power Factor Correction

QP-200 Series: Quad Output

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- 2.6 watts/in³ maximum
- Built-in fan cooling
- Mating connector: P/N 103587CG, pg 168
- Working temperature: -10° to +60°C
- See www.Jameco.com for specifications
- Three-year warranty



240-Watt Enclosed

S-240 Series: Single Output

- 100% full-load burn-in
- No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103587CG, pg 168
- Input: 88-132/176-264VAC @ 47-63Hz
- See www.Jameco.com for specifications
- Two-year warranty



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

NEW

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
201902CG	Mean Well	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	\$99.89	\$95.07	\$92.19
201911CG	Mean Well	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
693505CG	Mean Well	SP-150-7.5	+7.5V@0-20.0A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
173421CG	Mean Well	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
394193CG	Mean Well	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
173411CG	Mean Well	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
173403CG	Mean Well	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
693513CG	Mean Well	SP-150-27	+27V@0-5.6A	151.2W	150	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
201930CG	Mean Well	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
213831CG	Mean Well	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213647CG	Mean Well	QP-150F	+5V@3-10A; +15V@0-3A; +24V@0.4-2A; -15V@0-0.6A	152.0W	120	2	1	UL/CUL/TUV/CE/CB	145.95	124.06	93.04
693521CG	Mean Well	SP-200-3.3	+3.3V@0-40.0A	132.0W	100	1	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
202041CG	Mean Well	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	102.95	85.79	74.79
693530CG	Mean Well	SP-200-7.5	+7.5V@0-26.7A	202.2W	100	1	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
194774CG	Mean Well	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
212410CG	Mean Well	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202060CG	Mean Well	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
194781CG	Mean Well	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
693548CG	Mean Well	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
202067CG	Mean Well	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
213751CG	Mean Well	QP-200D	+5V@3-15A; +12V@0-4A; +24V@0.4-3A; -12V@0-0.7A	204.9W	100	2	1	UL/CUL/TUV/CE/CB	156.95	127.99	112.99
693556CG	Mean Well	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB	105.75	99.99	96.99
137648CG	Mean Well	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
202075CG	Mean Well	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	85.46	76.91
137657CG	Mean Well	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
392834CG	Mean Well	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	99.95	93.95	89.25
167338CG	Mean Well	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	109.95	98.95	89.09

* Primary Output

Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
199515CG	Globtek	RT-3S150-24	24V@6.5A	156.0W	100	5	5	UL/CE	\$64.15	\$57.75	\$43.15
371012CG	Potrans	GL150W-24-NC	24V@6.5A	156.0W	150	—	—	UL/CUL/TUV/CE	49.95	39.95	29.95
689750CG	Potrans	FS-20024-1M	24V@0-8.3A	200.0W	150	—	—	UL/CUL/CE	89.95	79.95	69.95

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

300-Watt Enclosed with Power Factor Correction

PSP-300 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications



320-Watt Enclosed

S-320 Series: Single Output

- 100% full-load burn-in
- Two-year warranty
- See www.Jameco.com for specifications



300 & 320-Watt Enclosed with Power Factor Correction

- 100% full-load burn-in • Universal AC input
- No minimum load required
- Auto cooling fan • Voltage adj.: 10%
- Three-year warranty

SP-300 & SP-320 Series: Single Output

- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- Working temperature: SP-300: -10° to +60°C; SP-320: -20° to 65°

QP-320 Series: Quad Output

- Input: 90-264VAC @ 47-63Hz • Working temperature: -10° to +70°C



480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output

- Three-year warranty
- See www.Jameco.com for specifications



Open-Frame Power Supplies
on pages 224-229.

For PC Power Supplies, see page 278.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
374169CG	Mean Well	PSP-300-12	+12V@0-25A	300.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	\$178.65	\$169.10	\$160.65
374176CG	Mean Well	PSP-300-13.5	+13.5V@0-22A	297.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374184CG	Mean Well	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374193CG	Mean Well	PSP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374206CG	Mean Well	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
202091CG	Mean Well	SP-300-5	+5V@0-50A at 230VAC; 0-40A at 115VAC	250.0W	150	1	0.5	UL/CUL/TUV/CE/CB	169.95	144.46	108.34
137391CG	Mean Well	SP-300-12	+12V@0-24A at 230VAC; 0-19.2A at 115VAC	288.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
212396CG	Mean Well	SP-300-13.5	+13.5V@0-21A at 230VAC; 0-16.8A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
202104CG	Mean Well	SP-300-15	+15V@0-19A at 230VAC; 0-15.2A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
137403CG	Mean Well	SP-300-24	+24V@0-12.5A at 230VAC; 0-10A at 115VAC	300.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
161980CG	Mean Well	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
244734CG	Mean Well	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	94.75	86.15	78.29
394215CG	Mean Well	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	146.95	126.95	118.99
244742CG	Mean Well	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
693599CG	Mean Well	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	151.29	130.95	126.99
693610CG	Mean Well	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	151.29	130.95	126.99
244752CG	Mean Well	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
693628CG	Mean Well	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB	151.35	130.95	126.99
244770CG	Mean Well	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
216776CG	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	124.95	112.80	101.50
207212CG	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207204CG	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
693572CG	Mean Well	S-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47
374993CG	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
196656CG	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
693581CG	Mean Well	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	120.59	116.97	113.47
207191CG	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	124.95	112.80	101.50
693636CG	Mean Well	SP-480-3.3	+3.3V@0-85.0A	280.5W	80	1	0.5	UL/CUL/TUV/CE/CB	243.49	212.43	206.07
693644CG	Mean Well	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB	243.49	212.43	206.07
301373CG	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
693652CG	Mean Well	SP-480-15	+15V@0-35.0A	480.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	243.47	212.43	206.07
301321CG	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	238.45	207.99	198.99
301402CG	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
668764CG	Mean Well	QP-320D	+5V@2.5-20A; +12V@0-10A; +24V@0.2-5A; -12V@0.2-2A	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55
668772CG	Mean Well	QP-320F	+5V@2.5-20A; +15V@0-10A; +24V@0.2-5A; -15V@0.2-1.6A	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55

* Primary Output

Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689776CG	Potrans	1M321C48-0M	48@0-6.5A	312.0W	240	—	—	UL/CUL	\$119.95	\$107.95	\$96.95

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 1.](#)

500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum • Remote control
- Auto cooling fan • Voltage adjustment: 10%
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103587CG pg 168
- Working temperature: -10° to +60°C
- See www.Jameco.com for specifications
- Three-year warranty



CE CB

600-Watt Enclosed

SE-600 Series: Single Output

- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit/overload/over-voltage/over-temperature protection
- Working temperature: -20° to +60°C
- Size: 9.7"L x 5.0"W x 2.5"H
- See www.Jameco.com for specifications
- Two-year warranty



CE CB

600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Current sharing up to 2400W (3 +1)
- Short circuit/overload/over-voltage/over-temperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103587CG or 302877CG, pg 167
- Working temperature: -20°C to +50°C
- See www.Jameco.com for specifications
- Three-year warranty



CE CB

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output

- 100% full-load burn-in
- Auto cooling fan
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Mating connector: P/N 103587CG, pg 168
- Working temperature: -10° to +65°C; (+50° to -65°C @ 50% load)
- Mounting hardware: use P/Ns 222156CG & 222172CG
- See www.Jameco.com for specifications
- Two-year warranty



CE CB

600-Watt Enclosed with Power Factor Correction

SCP-600 Series: Single Output

- Input: 180-260VAC @ 47-63Hz/260-370VDC
- Short circuit/overload/over-voltage/over-temperature protection
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Built-in remote sense function, and remote ON-OFF function
- Mating connector: P/N 103587CG or 302877CG, pg 167
- Working temperature: -20°C to +65°C
- PFC: >0.98 @ 230VAC
- Power good signal
- With parallel function (N +1)
- Forced air cooling by built-in DC fan
- See www.Jameco.com for specifications
- Three-year warranty



CE CB

Open-Frame Power Supplies on pages 224-229.

For PC Power Supplies, see page 278.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
190693CG	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	\$249.95	\$216.10	\$194.50
212388CG	Mean Well	SP-500-13.5	+13.5V@0-36A at 230VAC; 0-30.6A at 115VAC	486.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
213604CG	Mean Well	SP-500-15	+15V@0-32A at 230VAC; 0-27.2A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
147053CG	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
190705CG	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
161795CG	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
374002CG	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.59	140.89
374012CG	Mean Well	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	173.95	156.59	140.89
291522CG	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902CG	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911CG	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929CG	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
374214CG	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374221CG	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	219.99	209.99	199.99
374231CG	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374257CG	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374249CG	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
220249CG	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	273.95	213.99	197.99
220257CG	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374045CG	Mean Well	SCN-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
220265CG	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374061CG	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
388631CG	Mean Well	SCP-600-12	+12V@0-50A	600.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
388640CG	Mean Well	SCP-600-15	+15V@0-40A	600.0W	140	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374264CG	Mean Well	SCP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374301CG	Mean Well	SCP-600-48	+48V@0-12A	576.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31

* Primary Output

Blue Part No. = Limited Quantity Available

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in
- Voltage adj.: 10%
- No minimum load required
- 3.6 watts/in³ maximum
- Auto cooling fan
- Remote sense and control
- Mating connector: P/N 103587CG, pg 168
- -10° to +60°C working temperature
- Three-year warranty
- See www.Jameco.com for specifications

PSP-500 and PSP-1000:

- Parallel operation (current sharing)
- Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC

- PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC



800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output

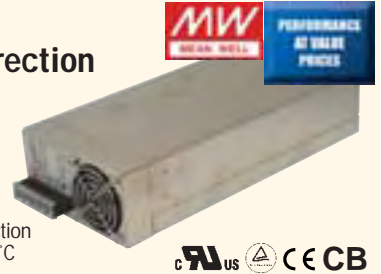
- Input: 180-260VAC @ 47-63Hz/ 260-370VDC
- PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Forced air cooling by built-in DC fan
- Built-in remote sense function, and remote ON-OFF function
- Power good signal
- With parallel function (N + 1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103587CG or 302877CG, pg 167
- Working temperature: -20°C to +65°C
- Three-year warranty
- See www.Jameco.com for specifications



750-Watt Enclosed with Power Factor Correction

SP-750 Series: Single Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 127-370VDC
- Withstanding voltage of 300VAC surge input for 5 seconds
- Short circuit/overload/over-volt protection
- High operating temperature up to 70°C
- Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control
- Built-in remote sense function



- Mating connector: 103587CG, pg 168
- High power density: 5.48W/in³
- Power-good and fail-signal outputs
- Three-year warranty

1500-Watt Enclosed with Power Factor Correction & Parallel Current Sharing

RSP-1500 Series: Single Output

- Universal AC input/full range
- ZVS new technology
- Short circuit/overload/over-voltage/ over-temperature protection
- Forced air cooling by built-in fan
- Current sharing up to 6000W (3 + 1)
- Built-in remote sense, on-off control, and 12V/1A auxiliary output for remote control
- Working temperature: -20°C to +70°C
- Size: 10.9"L x 5.0"W x 3.3"H
- 8.3W / inch³
- Three year warranty



Open-Frame Power Supplies on pages 224-229.

For PC Power Supplies, see page 278.

SALE

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
190713CG	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	\$269.95	\$232.09	\$216.69
202121CG	Mean Well	PSP-500-15	+15V@0-33A at 230VAC; 0-26.4A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	138.35	125.75	114.32
190721CG	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	242.96	218.66
190730CG	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
190748CG	Mean Well	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	232.95	216.95
693661CG	Mean Well	SP-750-5	+5V@0-120A	600.0W	120	2	0.5	UL/CUL/TUV/CE/CB	447.19	426.79	413.99
374029CG	Mean Well	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	437.99	417.99	406.99
320047CG	Mean Well	SP-750-24	+24V@0-31.3A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	437.99	417.99	406.99
374037CG	Mean Well	SP-750-27	+27V@0-27.8A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	437.99	417.99	406.99
320055CG	Mean Well	SP-750-48	+48V@0-15.7A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	437.99	417.99	406.99
388615CG	Mean Well	SCP-800-12	+12V@0-66A	792.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
388623CG	Mean Well	SCP-800-15	+15V@0-53A	795.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374310CG	Mean Well	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374337CG	Mean Well	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
217373CG	Mean Well	PSP-1000-5	+5V@0-145A at 230VAC; 0-123.3A at 115VAC	725.0W	100	2	0.5	UL/CUL/TUV/CE/CB	315.45	286.75	260.68
217366CG	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
231642CG	Mean Well	PSP-1000-13.5	+13.5V@0-67A at 230VAC; 0-57.8A at 115VAC	1000.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	336.75	306.10	278.27
231634CG	Mean Well	PSP-1000-15	+15V@0-60A at 230VAC; 0-51A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	336.75	306.15	278.27
217357CG	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231651CG	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217350CG	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231669CG	Mean Well	PSP-1500-5	+5V@0-217.5A	1087.5W	100	2	0.5	UL/CUL/TUV/CE/CB	533.89	485.35	441.22
373261CG	Mean Well	PSP-1500-12	+12V@0-112.5A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231685CG	Mean Well	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	479.99	436.42	396.74
231693CG	Mean Well	PSP-1500-15	+15V@0-90.0A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	399.89	363.55	330.49
373923CG	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231714CG	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
231722CG	Mean Well	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
694903CG	Mean Well	RSP-1500-5	+5V@0-240A	1200W	150	2	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15
694911CG	Mean Well	RSP-1500-12	+12V@0-125A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15
694920CG	Mean Well	RSP-1500-15	+15V@0-10A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15
694938CG	Mean Well	RSP-1500-24	+24V@0-63A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15
694946CG	Mean Well	RSP-1500-27	+27V@0-56A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15
694954CG	Mean Well	RSP-1500-48	+48V@0-32A	1536W	200	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	730.15

* Primary Output

Blue Part No. = Limited Quantity Available

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

New! Custom-Configured Mean Well Power Supplies!

Specific Configurations for All of Your Power Needs!

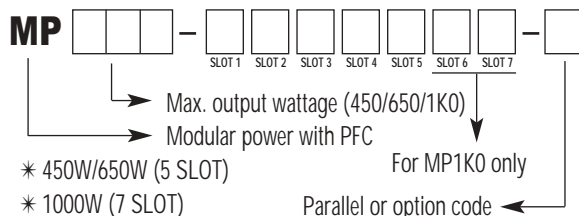
Looking for a supply with unique voltage or current requirements? How about more than four outputs? Now Jameco offers Mean Well's Modular power supplies, custom-configured at the factory to your specific needs, with up to 14 isolated outputs.

There are thousands of combinations available for the modular series. This solution provides engineers with one of the fastest ways to procure custom configured power supplies with safety and EMC certificates.

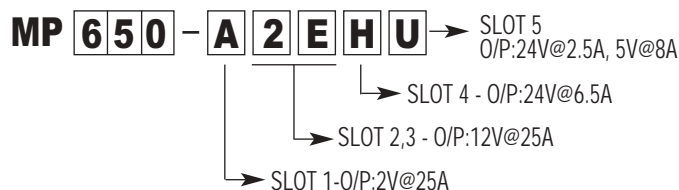
These modular power supplies are custom orders. For all inquiries including specific lead times, please contact Jameco's Power Supply Department at 1-800-794-9100 ext. 3.



Output Configuration Guide



EXAMPLE



Single output (MS-75) 1 SLOT (75W max)			
Voltage Code	Output	Voltage Code	Output
L	3.3V 0-15A	O	15V 0-15A
M	5V 0-15A	P	24V 0-3.2A
N	12V 0-6.3A	Q	48V 0-1.6A

Dual output (MD-100) 1 SLOT (100W max)			
Voltage Code	Output 1	Output 2	Max.(W)
R	5V 2.0-10A	5V 0.0-8A	90
S	5V 2.0-10A	12V 0.0-5.8A	100.4
T	5V 2.0-10A	15V 0.0-4.7A	101
U	24V 0.5-3.0A	5V 0.0-10A	100
V	24V 0.6-3.0A	12V 0.0-4.7A	100.8
W	12V 1.0-5.0A	12V 0.0-5.8A	100.8
X	15V 1.0-4.7A	15V 1.0-4.7A	100.5

Single output (MS-150) 1 SLOT (150W max)	
Voltage Code	Output
A	2V 0-25A
B	3.3V 0-25A
C	5V 0-25A
D	7.5V 0-18A
E	12V 0-13A
F	15V 0-10A
G	18V 0-8.5A
H	24V 0-6.5A
I	27V 0-5.8A
J	33V 0-4.7A
K	48V 0-3.2A

Single output (MS-300) 2 SLOT (300W max)	
Voltage Code	Output
2A	2V 0-50A
2B	3.3V 0-50A
2C	5V 0-50A
2D	7.5V 0-40A
2E	12V 0-25A
2F	15V 0-20A
2G	18V 0-16.7A
2H	24V 0-12.5A
2I	27V 0-11.2A
2J	33V 0-9.1A
2K	48V 0-6.3A

These modular power supplies are custom orders. For all inquiries including specific lead times, please contact Jameco's Power Supply Department at 1-800-794-9100 ext. 3.

General Specifications


Features:

- Zero voltage switching technology
- Worldwide ITE safety approvals
- High efficiency operation
- Thousands of possible output configurations
- Remote control on each output module
- Remote sense on each individual output
- Active PFC, PF>0.95
- Universal AC input/full range
- Built-in parallel function (MS-300)
- Fan alarm function
- Forced air cooling
- 2.5 inch profile


Complete specifications at www.Jameco.com


Model No.	MP450	MP650	MP1K0
AC Input Voltage Range	85-264VAC or 12-370VDC		
Power Factor	PF>0.95/230VAC, PF > 0.98/ 115VAC at full load		
AC Inrush Current (max.)	Cold start, 40A at 230VAC	Cold start, 50A at 230VAC	Cold start, 40A at 230VAC
Max Output Wattage	450W	650W	1000W
Efficiency (Typical)	83%	85%	84%
Over Temperature Protection	Output shutdown, auto recovery		
Fan Alarm	Output shutdown, when fan malfunction		
Withstand Volatge	I/P - O/P: 3KVAC, I/P - FG: 1.5KVAC, O/P - FG: 0.5KVAC, 1 minute		
Working Temperature	-20 ~ +50°C @ 100%, +70°C @ 50% load		
Safety Standards	UL60950-1, TUV EN6095-1		
EMC Standards	Compliance to EN55022 class B, EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024 light industry level, criteria A		
Connection	Input side: 3P/10mm pitch terminal block & JST B3B-XH		
Dimensions (L" x W" x H")	10.0 x 5.0 x 2.5	10.9 x 5.0 x 2.5	10.9 x 7.0 x 2.5

DIN-Rail Switching Power Supplies




UL-508







373181CG (Fig. 1)



192698CG (Fig. 2)




212290CG (Fig. 3)




212274CG (Fig. 4)



221892CG (Fig. 5)



252662CG (Fig. 6)



248735CG
DIN Mounting Rail

• Low cost, high reliability • Universal AC input range • Soft-start circuit, limiting AC surge current
• Short-circuit, overload, over-voltage protected • 100% full-load burn-in test • For DIN-Rail terminal blocks see page 165

Part No.	Product No.	Fig.	Pwr (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373174CG	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	\$39.99	\$35.99	\$32.39
373181CG	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373191CG	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373203CG	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
212302CG	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192698CG	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
221874CG	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192681CG	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
373211CG	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373229CG	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373237CG	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373245CG	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
212290CG	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212282CG	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212274CG	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
212265CG	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
221904CG	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	76.95	69.26	62.33
221892CG	DRP-24024	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
221882CG	DRP-24048	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373122CG	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
373114CG	DRT-240-48	5	240	48VDC @ 5A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
252662CG	DRP-48024	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
252654CG	DRP-48048	6	480	48VDC @ 10A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
295938CG	DRP-480S-24	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
301306CG	DRP-480S-48	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
372576CG	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
373106CG	DRT-480-48	6	480	48VDC @ 10A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
373131CG	DRT-960-24	6	960	24VDC @ 40A	3-phase 340-550 @ 47-63	2.0A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	436.49	406.43	394.23
373149CG	DRT-960-48	6	960	48VDC @ 20A	3-phase 340-550 @ 47-63	2.0A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	436.49	406.43	394.23
Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100			
248735CG	2094.0	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	\$6.79	\$5.45	\$4.10			

* Switch selectable † With Power Factor Correction Blue Part No. = Limited Quantity Available

DIN-Rail Switching Power Supplies

Part No.	Product No.	Power (W)	Output Volts@Current	Input Voltage (VAC @ Hz/VDC)	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
478661CG	SDP3-15-100T	15	12-15VDC @ 4.2-3.4A	85-264 @ 43-67/90-375	2.9 x 1.7 x 3.5	0.5	\$115.15	\$112.59	\$111.39
478645CG	SCP30S5-DN	30	5VDC @ 6A	85-264 @ 50/60	4.7 x 2.5 x 1.2	1.5	124.95	120.95	117.55
478653CG	SDN2-5-24-100P	60	24-28VDC @ 2.5A	85-132/176-264 @ 47-63/90-375	4.5 x 1.9 x 4.8	1.6	137.35	131.95	126.99




13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short-circuit protection
- Fuse protected
- Output mating terminals: see pg 171 for cigarette plugs & pg 303 for banana terminal plugs



Part No.	Model No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
135845CG	RPS1204	55.2	13.8VDC @ 4A	115VAC @ 60Hz	Banana terminals / cigarette plug	6.7 x 5.2 x 3.2	5.5	\$31.95	\$28.85	\$25.65
136581CG	RPS1207	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	64.15	57.75	52.39
138667CG	38-381	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138676CG	52-192012	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95



† P/N 136581CG includes overheating protection Blue Part No. = Limited Quantity Available



Extra Savings for You

To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments! 1-800-794-9100

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Rackmount Power Supplies

N + 1 DC Power System with Battery Back-up Charging

- N+1 redundancy
- Volt/ampere meter
- Input voltage range: 105 to 125VAC, 60Hz
- Remote monitoring and indication
- Forced air cooling by 2 fans
- Short circuit, current limit, fan failure, input surge suppression protection
- Chassis and cover: steel (black epoxy powder coat)
- Size: 19"W x 15.9"D x 3.6"H



Part No.	Product No.	Output (VDC @ A)	Wt. (lbs.)	1	10	25
673272CG	SEC-40BRM	13.8 @ 40	20.5	\$449.95	\$427.45	\$406.09
673281CG	SEC-60BRM	13.8 @ 60	22.0	507.65	473.25	453.49
673299CG	SEC-80BRM	13.8 @ 80	23.5	584.35	555.19	527.39
673310CG	SEC-100BRM	13.8 @ 100	25.0	659.95	626.95	595.65
677396CG	SEC-2430BRM	27.6 @ 30	22	524.39	498.15	473.25
677484CG	SEC-2450BRM	27.6 @ 50	25	671.75	638.15	606.25

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send your requests to NewProducts@Jameco.com.

600W Single Output

- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function
- Ripple and noise (max.): 150mVp-p
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short circuit, over load, over voltage, over temperature protection
- Size: 19.5"W x 3.5"H



Part No.	Product No.	Output (VDC @ A)	1	10	25
673336CG	600-12RM	12 @ 50	\$252.75	\$240.15	\$228.15
673395CG	SE-600-24RM	24 @ 25	252.75	240.15	228.15
673408CG	SE-600-48RM	48 @ 12.5	252.75	240.15	228.15

2 x 23 Amp

- Input voltage: 100 to 130VAC @ 50/60Hz
- Output current (surge): 24A x 2
- Chassis: aluminum (black anodized)
- Cover: steel (black epoxy powder coat)
- UL/CUL approved
- Size: 19"W x 8.7"D x 3.5"H



Part No.	Product No.	Output (VDC @ A)	Wt. (lbs.)	1	10	25
673328CG	SEC-1223R2	13.8 @ 23Ax2	8.2	\$240.15	\$228.15	\$216.75

Linear Power Supplies



5-24VDC Linear Power Supplies

478670CG/478688CG:

- Easy-to-install screw terminal connections
- Fast transient response; ideal for test applications
- Low noise, extremely quiet DC output for noise sensitive or analog circuitry
- Automatic resetting overload protection
- Industry standard footprint
- Short circuit protected

Part No.	Model No.	Input Voltage	Output Volts@Curr.	1	10	25
478670CG	SLS-05-030-1T▲	100-240VAC selectable	5VDC @ 3A	\$41.09	\$40.66	\$40.26
478688CG	SLS-24-012T▲	100-240VAC selectable	24VDC @ 1.2A	41.09	40.66	40.26
478637CG	83-24-225-3▲	104-127VAC, 208-254VAC	24VDC @ 2.5A	139.95	137.95	136.39

478637CG:

- Low noise output
- Designed for both bench and rack use
- Current limiting - automatic reset
- Completely protected short circuit proof; automatic feedback
- Isolated floating output
- UL Recognized, CSA Certified
- Remote sensing



478637CG

108 Watt Desktop Power Supplies

- Input voltage: 88-132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Short circuit/over load/over voltage/over temperature protection
- Front panel on/off switch & 3 color LED loading indicator
- Back panel 3-prong AC receptacle and banana plugs
- Line regulation: ±5%
- Size: 5.9"W x 3.3"H x 5.5"D
- Weight: 3.3 lbs

Part No.	Product No.	Description	1	10	25
673230CG	ESP-120-13.5	13.5V @ 0 - 8A	\$69.69	\$67.85	\$63.99
673256CG	ESP-120-27	27V @ 0 - 4A	69.69	67.85	63.99

673230CG:

- Ripple and noise max.: 120mVp-p
- Voltage adjustment range: 12VDC to 15VDC
- Efficiency (typical): 81%
- Load reg.: ±2%

673256CG:

- Ripple and noise max.: 150mVp-p
- Voltage adjustment range: 24VDC to 30VDC
- Efficiency (typical): 83%
- Load reg.: ±1%



673230CG



NEW

Linear Power Supplies

- Worldwide AC input capabilities – 100/120/220/230/240 VAC
- Low output ripple
- 100% burn-in test
- 2-year warranty
- Output regulation: ± 0.05%
- Load & line regulation: ± 0.05%
- MTBF in excess of 300,000 hours
- Over voltage protection standard on 5V single outputs
- UL/CSA/TUV approvals
- CE marked to low voltage directive



Part No.	Product No.	Output Voltage (VAC) @ Current (A)	Ripple & Noise (mV p-p)	Size (LxWxH)	1	10	100
697371CG	HAA15-0.8-A▲	+12@1.0; -5@0.4	5.0	6.50 x 4.00 x 2.10	\$66.15	\$64.26	\$62.42
697389CG	HB24-1.2-A▲	+24@1.2	3.0	4.87 x 4.00 x 2.10	53.75	52.21	50.72
697397CG	HB5-3/OVP-A▲	+5@3.0	5.0	4.87 x 4.00 x 2.10	53.75	52.21	50.72
697400CG	HC24-2.4-A▲	+24@2.4	3.0	5.62 x 4.87 x 2.95	76.99	74.79	72.65
697418CG	HCAA-60W-A▲	+5@6.0; +12 to +15 @ 1.0; -5@0.4	5.0	9.00 x 4.87 x 3.28	137.95	133.99	130.19
697426CG	HCC15-3-A▲	+12@3.4; -12@3.4	5.0	9.38 x 4.87 x 3.28	134.85	131.00	127.25
697442CG	HN24-3.6-A▲	+24@3.6	3.0	7.00 x 4.87 x 3.28	107.45	104.38	101.39
697451CG	HTAA-16W-A▲	+5@2.0; +12 to +15 @ 0.4; -12 to -15 @ 0.4	5.0	6.50 x 4.00 x 2.10	84.75	82.33	79.99

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

▲ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

0.5 & 1-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- Input filter: capacitor type
- Protection: short-circuit
- Working temp.: -15 to +60°C
- No external components needed
- One-year warranty
- 100% burn-in test



3, 5 & 10-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- 2:1 wide input range
- Shielded metal case
- Working temperature: -15 to +60°C
- No external components needed
- Protection: short-circuit & overload
- Input filter: Pi network
- 100% burn-in test
- One-year warranty



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
213225CG	SRS-0505	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	\$4.89	\$4.45	\$4.25	\$4.09
216831CG	SPR01L-12	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	8.95	8.06	7.25	6.52
213268CG	SCW03A-05	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.49	13.95	12.59	11.29
155918CG	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161701CG	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
220388CG	SLW05L-12	4.5-9V	+12V@417mA	5W	2x1x0.44	5	0.2	0.5	100	24.95	22.49	20.25	18.25
220353CG	SLW05A-033	9-18V	+3.3V@1500mA	5W	2x1x0.44	5	0.2	0.5	100	19.95	17.95	16.16	14.54
216928CG	SLW05A-05	9-18V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216881CG	SLW05A-15	9-18V	+15V@333mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216937CG	SLW05B-05	18-36V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216910CG	SLW05B-12	18-36V	+12V@417mA	5W	2x1x0.44	5	1.0	0.2	100	21.95	19.76	17.78	16.00
213233CG	SLW05C-05	36-72V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	17.25	15.50	13.95	12.56
220337CG	SKE10B-033	18-36V	+3.3V@2400mA	8W	2x1x0.44	5	0.3	0.5	50	29.95	26.99	21.59	16.19
216961CG	SKE10A-05	9-18V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.55	26.95	24.55
216979CG	SKE10A-15	9-18V	+15V@666mA	10W	2x1x0.44	5	0.3	1.0	60	33.95	30.56	24.44	18.33
216952CG	SKE10B-05	18-36V	+5V@2000mA	10W	2x1x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217024CG	SKE10B-12	18-36V	+12V@840mA	10W	2x1x0.44	5	0.3	0.5	60	29.95	26.96	21.56	16.17
216945CG	SKE10C-05	36-72V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.56	24.44	18.33
217032CG	DKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2x1x0.44	5	0.3	0.5	50	34.95	31.46	25.16	18.87
217092CG	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217111CG	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217074CG	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45

Blue Part No. = Limited Quantity Available



DC-DC Half-Brick Converter

NEW



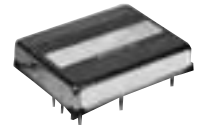
- Input voltage range (V): 36-72
- Output voltage@current: 3.3V@30A
- Ripple & Noise (mVp-p): 100
- 1500V isolation
- Input voltage (V): 48
- Line regulation/load regulation: 0.2%V out
- Typical efficiency: 83%
- Short circuit/over-current protection
- High efficiency
- Open frame packaging
- Set point accuracy: ± 1%

Part No.	Product No.	Pins	Size (L x W x H)	1	10	100
697434CG	HES100XE-ANT	9	2.28" x 2.40" x 0.18"	\$213.85	\$207.74	\$201.80



FC Series DC-DC Converter Input Filters

NEW



- Optimized for Power-One's high density, board mounted products
- Common-mode & differential-mode filtering
- >30dB insertion loss @ 500kHz
- PCB mountable
- Industry standard input
- 100VDC operation
- 1500V isolation

Jameco Part No.	Product No.	Current (A)	Insertion Loss Differential Mode (dB)	Insertion Loss Common Mode (dB)	Typ. Resistance (mΩ)	Size (L"xW"xH")	Pricing			
							1	10	100	250
697362CG	FC100V5A	5	28	30	27	1.0 x 1.0 x 0.4	\$20.69	\$20.10	\$19.53	\$18.97
697354CG	FC100V10A	10	31	28	17	2.0 x 1.0 x 0.44	23.25	22.59	21.94	21.32



Extra Savings for You

To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments!

1-800-794-9100



♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

15-Watt Encapsulated

- Isolation voltage: 1000VDC
- Free-air convection cooling
- Input filter: Pi network
- Shielded metal case
- 2:1 wide input range
- Working temperature: -15° to +60°C
- 100% burn-in test
- Protection: short-circuit & overload
- One-year warranty



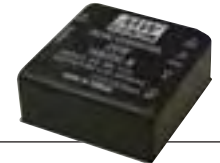
Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
155715CG	SKE15A-05	9-18V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	\$34.95	\$31.49	\$28.15	\$25.35
155707CG	SKE15A-12	9-18V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35
155694CG	SKE15A-24	9-18V	+24V@625mA	15W	2x2x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35
213276CG	SKE15B-05	18-36V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	34.95	31.49	28.15	25.35
213284CG	SKE15B-12	18-36V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.49	28.15	25.35
161728CG	DKE15A-12	9-18V	+12V@625mA; -12V@625mA	15W	2x2x0.43	5	0.3	0.5	60	35.95	32.36	25.88	19.41
213292CG	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2x2x0.43	5	0.3	0.5	80	32.95	29.69	26.90	24.05

Blue Part No. = Limited Quantity Available

20-Watt Encapsulated

- Isolation voltage: 1000VDC
- Output trim
- Free-air convection cooling
- Working temp.: -40° to +71°C
- Industry standard package
- 100% burn-in test
- Shielded metal case
- Input filter: Pi network
- Protection: short-circuit & overload
- One-year warranty

SALE



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
217630CG	DKB20A-05	9-18V	+5V@2000mA; -5V@2000mA	20W	1.2x2x0.82	8	0.2	0.2	100	\$39.95	\$35.96	\$32.36	\$29.12
217648CG	TKB20C-B	36-72V	+5V@2500mA; ±12V@310mA	20W	1.2x2x0.82	8	0.2	0.2	100	36.75	32.95	31.47	28.61

30-Watt Encapsulated

- Isolation voltage: 1000VDC
- 2:1 wide input range
- Working temperature: -25° to +85°C
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- Output trim
- Remote ON/OFF
- Protection: short-circuit, overload & over-voltage
- One-year warranty



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
217234CG	SDM30-12S12	9-18V	+12V@2100mA	25.2W	2x1.8x0.62	8	1.0	1.0	100	\$34.95	\$31.77	\$28.88	\$26.26
217242CG	SDM30-24S12	18-36V	+12V@2500mA	30W	2x1.8x0.62	8	1.0	1.0	100	45.95	41.35	37.25	33.55

Blue Part No. = Limited Quantity Available

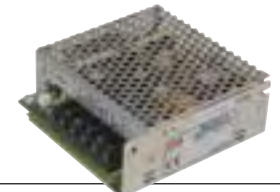
25-Watt Enclosed

- Isolation voltage: 500VDC
- 2:1 wide input range
- Working temperature: -10° to +60°C
- Protection: short-circuit, overload and over-voltage
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- One-year warranty
- See www.Jameco.com for specifications

NEW



CE



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
175662CG	SD-25A-5	9-18V	+5V@5000mA	25W	3.9x3.8x1.4	5	0.5	0.5	100	\$40.95	\$30.99	\$28.99	\$24.99
175804CG	SD-25A-12	9-18V	+12V@2100mA	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175813CG	SD-25A-24	9-18V	+24V@1100mA	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	40.95	30.99	28.99	24.99

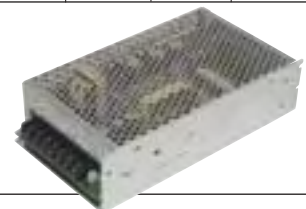
Blue Part No. = Limited Quantity Available

50, 100 & 150-Watt Enclosed

- Isolation voltage: 1500VDC
- One-year warranty
- 2:1 wide input range
- Protection: short-circuit, overload and over-voltage
- Mounting hardware: use P/Ns 222156CG & 222172CG
- Input filter: Pi-network
- Shielded metal case
- Working temperature: -10° to +60°C
- 100% burn-in test
- See www.Jameco.com for specifications



CE



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
212548CG	SD-50A-5	9-18V	+5V@10A	50W	6.3x3.8x1.5	5	0.5	0.5	100	\$35.79	\$32.53	\$29.58	\$26.89
212530CG	SD-50B-12	19-36V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	51.95	46.76	42.08	28.05
212513CG	SD-50B-24	19-36V	+24V@2.1A	50.4W	6.3x3.8x1.5	5	0.2	0.2	150	35.79	32.21	25.77	24.15
212506CG	SD-50C-12	36-72V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	51.95	39.99	36.99	32.99
216565CG	SD-100B-12	19-36V	+12V@8.5A	102W	7.8x3.9x1.5	7	0.3	0.3	120	72.95	65.66	59.09	49.24
212468CG	SD-100C-12	36-72V	+12V@8.5A	102W	7.8x3.9x1.5	7	0.3	0.3	120	63.95	53.99	50.99	44.99
217269CG	SD-150B-12	19-36V	+12V@12.5A	150W	7.8x4.3x2.0	7	0.5	0.5	120	82.95	70.99	65.99	57.99

Blue Part No. = Limited Quantity Available

10 to 60-Watt Isolated DC-to-DC Converters

For Volume Discounts call 1-800-831-4242

10-Watt Open Frame

CXA10 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- 4:1 input voltage range
- Protection: short-circuit & overload
- Working temperature: -40° to +100°C
- See www.Jameco.com for specifications



15-Watt Open Frame

CXE15 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: over-voltage & over-current
- Working temperature: -40° to +65°C
- Output trim
- See www.Jameco.com for specifications

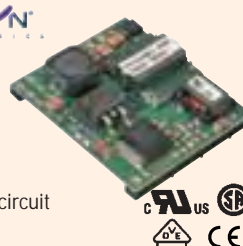


30% Lower All Items

20-Watt Open Frame

CXA20 Series: Single Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- 100% burn-in test
- 4:1 input voltage range
- Protection: over-voltage, over-temperature & short-circuit
- Working temperature: -40° to +60°C
- See www.Jameco.com for specifications



60-Watt Open Frame

EXQ60 Series: Dual Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: short-circuit, over-current & over-voltage
- Working temperature: -40° to +100°C
- See www.Jameco.com for specifications



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
219037CG	CXA10-48S3V3	18-75V	+3.3V@2400mA	7.9W	2.0x1.0x0.54	6	0.1	0.2	30	\$17.89	\$16.99	\$16.15	\$15.34
219070CG	CXE15-48S1V8	33-75V	+1.8V@6000mA	10.8W	2.0x1.0x0.35	6	0.3	2.0	40	39.19	35.26	31.73	28.56
219088CG	CXE15-48S2V5	33-75V	+2.5V@6000mA	15W	2.0x1.0x0.35	6	0.3	1.5	40	39.19	35.26	31.73	28.56
219053CG	CXE15-48S3V3	33-75V	+3.3V@4500mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	17.29	16.44	15.62	14.84
219061CG	CXE15-48S05V	33-75V	+5V@3000mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	39.19	35.26	31.73	28.56
219109CG	CXA20-48S3V3	18-75V	+3.3V@6000mA	19.8W	2.0x1.6x0.41	8	0.1	0.2	75	40.85	36.76	33.09	29.78
218894CG	EXQ60-48D3V3-2V5-R	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3x1.5x0.50	7	—	—	60	113.35	109.99	91.79	82.61
218907CG	EXQ60-48D05-3V3-R	33-75V	+3.3V@15A; +5V@12A	60W	2.3x1.5x0.50	7	—	—	60	112.95	101.16	91.48	82.33

Blue Part No. = Limited Quantity Available

6 to 15-Amp Non-Isolated, Point-of-Load DC-to-DC Converters

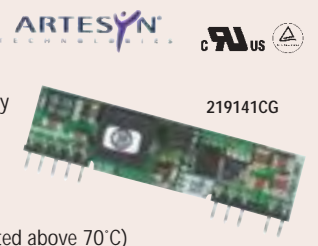
6-Amp SIL06C Series

- di/dt: 10A/μs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- Ultra-wide trim range
- "Power good" signal
- Planar magnetics technology
- Protection: over-current & short-circuit
- Working temperature: 0° to +80°C (derated above 50°C)



10-Amp SIL10E Series

- di/dt: 10A/μs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- 96% efficiency at 3.3V
- Highest power density: 107W/in³
- Planar magnetics technology
- Protection: thermal & short-circuit
- Working temperature: -40° to +100°C (derated above 70°C)



219141CG

Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. °C	Efficiency (%)	MTBF (hours)	Pricing			
			Voltage@Current	Power								1	10	25	100
219150CG	SIL06C-05SADJ-V	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.07	8	0.2	0.5	0 to +80	89	1,300,000	\$12.35	\$11.12	\$10.01	\$9.01
219168CG	SIL06C-05SADJ-H	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.53	8	0.2	0.5	0 to +80	89	1,300,000	12.35	11.12	10.01	9.01
219141CG	SIL10E-05S1V8-V	3.0V-5.5V	1.8V@10A	18W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	92	7,042,000	11.39	10.83	10.28	9.77
219133CG	SIL10E-05S2V5-V	3.0V-5.5V	2.5V@10A	25W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	94	7,042,000	21.85	19.66	17.69	15.93
219117CG	SIL10E-05W3V3-V	4.5V-5.5V	0.8-3.6V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	23.99	21.55	19.39	17.46
219125CG	SIL10E-05S3V3-V	4.5V-5.5V	3.3V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	22.99	21.55	19.39	17.46

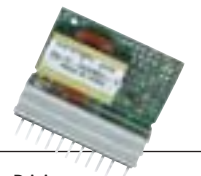
Blue Part No. = Limited Quantity Available

15-Amp SIL15C Series

- di/dt: 10A/μs
- Ultra-wide trim range
- Working temperature: 0° to +80°C (derated above 50°C)
- 100% burn-in test
- Protection: over-current & short-circuit
- No minimum load
- Remote ON/OFF
- Two-year warranty



SALE



Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. °C	Efficiency (%)	Pricing			
			Voltage @ Current	Power							1	10	25	100
218886CG	SIL15C-05SADJ-V	4.5V-5.5V	0.9V-3.3V@15A	50W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	89	\$9.19	\$8.32	\$7.59	\$6.89

Blue Part No. = Limited Quantity Available

Color Code Legend

New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend
New Sale Lower\$ QtySave

We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 259 for
International
Power Cords



211300CG



391769CG

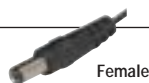


673651CG



220441CG

Polarity 1 \oplus \ominus \ominus (center negative)



Female



Male

Polarity 2 \ominus \oplus \oplus (center positive)



DIN M

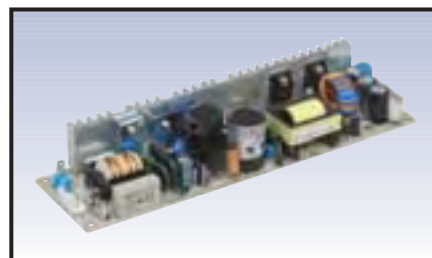
Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
2-Wire AC Input – Regulated Switching																	
12-24 Watt	379612CG	Mean Well ☺	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	\$20.69	\$18.53	\$16.22	\$15.45
	377924CG	Mean Well ☺	P30B-1P2JU☺	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	380621CG	Mean Well ☺	ES25B05-P1MU☺	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379760CG	Mean Well ☺	P30B-1P2MU☺	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	211300CG	Artesyn	SSL20-7605	20	+5/4.0	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.3 x 1.0	6'/ ³	1.5	UL/CSA/DE/CE	24.95	22.49	17.99	13.49
	379920CG	Mean Well ☺	ES25B07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380672CG	Mean Well	ES25B07-P1MU☺	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	195806CG	Horizon ☹	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	26.95	24.25	21.85	19.65
	195768CG	Horizon ☺	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.55
	391769CG	Mean Well ☺	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	673651CG	Artesyn	SSL20C-7612	20	+20/1.67	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.6 x 2.4 x 1.1	3'3"/ ³	0.4	UL/CSA/DE	17.95	16.49	14.59	11.49
	391777CG	Mean Well ☺	ES18B24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
196138CG	DVE	DSA-0283A	23	+5/1, +12/1.49	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/ ³	0.8	UL/CSA/TUV	16.95	15.25	12.19	9.15	
25-29 Watt	379938CG	Mean Well ☺	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380681CG	Mean Well ☺	ES25B09-P1MU☺	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379786CG	Mean Well ☺	P30B-2P2MU☺	26	+9/2.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379946CG	Mean Well ☺	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380701CG	Mean Well ☺	ES25B12-P1MU☺	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377941CG	Mean Well ☺	P30B-3P2JU☺	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379794CG	Mean Well ☺	P30B-3P2MU☺	27	+12/2.25	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	20.50	19.26
	379954CG	Mean Well ☺	ES25B15-P1JU	25	+15/1.67	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380710CG	Mean Well ☺	ES25B15-P1MU☺	25	+15/1.67	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379795CG	Mean Well ☺	P30B-4P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379655CG	Mean Well ☺	P30B-4P2MU☺	27	+15/1.8	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379962CG	Mean Well ☺	ES25B18-P1JU	25	+18/1.39	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380728CG	Mean Well ☺	ES25B18-P1MU☺	25	+18/1.39	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379971CG	Mean Well ☺	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380761CG	Mean Well ☺	ES25B24-P1MU☺	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221612CG	Mean Well ☺	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	25.95	23.35	20.99	18.99
	379989CG	Mean Well ☺	ES25B28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
380779CG	Mean Well ☺	ES25B28-P1MU☺	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
30-65W	205911CG	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45
	379997CG	Mean Well ☺	ES25B48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380808CG	Mean Well ☺	ES25B48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	220441CG	Horizon ☺	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2 [†]	Yes	Black	4.3 x 2.0 x 1.2	6'/ ³	0.6	UL/CUL/TUV/CE	29.95	26.99	24.29	21.85
	230499CG	Phihong ☹	PSA60W-120	50	+12/4.2	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/ ³	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08
	645271CG	—	SDA5524	55	+24/2.3	120-240@50-60	2.5mm x 5.5mm F 2 [†]	Yes	Black	5.1 x 2.4 x 1.4	7'/ ³	0.5	UL/CUL/TUV/CE	29.95	26.95	24.75	19.95
	229841CG	Phihong ☺	PSA60W-240	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/ ³	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08

* See accessory table-top power cord chart on page 248 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

† Right angle

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

● Blue Part No. = Limited Quantity Available



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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 259 for International Power Cords



308700CG



159353CG



243011CG



206455CG

Quantity SAVE



DIN M

Polarity 1 (center negative)

Female

Male

Polarity 2 (center positive)

Power	Part Number	Brand	Product Number	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
3-Wire AC Input – Regulated Switching																	
5-20 Watt	221567CG	Mean Well	P40A-0P2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.8	UL/CUL/TUV/CE	\$22.99	\$20.69	\$18.83	\$17.84
	308700CG	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.2 x 2.0 x 1.6	6'/2"	0.4	UL/CUL/TUV/CE	14.99	12.75	9.55	
	309876CG	Go Forward	G112-USO520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6'/2"	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	
	196218CG	GlobTek	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6'/2"	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	355717CG	CUI Stack	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/1"	0.5	UL/CUL/TUV/CE	17.29	15.95	14.35	12.95
	695244CG	DVE	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/2"	0.5	UL/CUL/TUV/CE	17.29	15.95	14.40	12.95
	377844CG	Mean Well	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379719CG	Mean Well	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	355506CG	APS	AD-740U-1050/LP	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.6	6'/1"	0.8	UL/CUL/TUV/CE	17.29	15.56	12.45	
	379592CG	Mean Well	ES25A05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380470CG	Mean Well	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	213583CG	Mean Well	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.7	UL/CUL/TUV/CE	23.69	21.35	19.19	17.49
	377861CG	Mean Well	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/2"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379735CG	Mean Well	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303538CG	Potrans	UP01411120	12	+12/1.0	100-250@50-60	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/2"	0.4	UL/CSA/TUV/CE	16.75	13.37	11.70	11.14
	228988CG	Phihong	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/2"	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53
	376622CG	Mean Well	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379701CG	Mean Well	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	320231CG	3-Com	10030973	18	+12/1.5	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.0 x 1.4	6'/2"	0.4	UL/CUL/TUV/CE	15.19	13.67	10.94	8.20
	298062CG	Potrans	UP01831120	18	+12/1.5	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	3.7 x 2.2 x 1.3	7'/2"	0.4	UL/CUL/CE	15.45	13.90	11.12	8.34
	377879CG	Mean Well	ES18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379743CG	Mean Well	ES18A15-P1MU	18	+15/1.2	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303546CG	Potrans	UP01811180	18	+18/1.0	100-250@50-60	2.1mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/2"	0.4	UL/CSA/TUV/CE	19.55	17.60	14.08	
	394231CG	Mean Well	ES18A24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CUL/TUV/CCC/CB/CE	20.65	18.95	16.41	16.29
	159353CG	Mean Well	KA60AU	17	+5/1, ±12/0.5	100-240@50-60	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.5	6'/5"	1.0	UL/CSA/TUV	36.95	33.26	26.60	21.89
	364146CG	Ault	SW306KF	17	+5/1, ±12/0.8-12/0.2	100-250@50-60	5-pin DIN M	No	Black	5.1 x 3.0 x 1.6	6'/1"	1.1	UL/CSA/TUV/CE	26.95	24.26	19.40	
21-29 Watt	213575CG	Mean Well	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.7	UL/CUL/TUV/CE	29.95	26.96	21.56	18.27
	379698CG	Mean Well	ES25A07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380496CG	Mean Well	ES25A07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377908CG	Mean Well	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379751CG	Mean Well	P30A-1-1P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.7	UL/CSA/TUV/CE	23.69	21.80	20.76	20.43
	379728CG	Mean Well	ES25A09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380517CG	Mean Well	ES25A09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	211019CG	Mean Well	KA52B	25	+9/2.78	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/2"	0.9	UL/CSA/TUV/CE	29.95	26.96	24.29	21.85
	379778CG	Mean Well	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380533CG	Mean Well	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377896CG	Mean Well	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379823CG	Mean Well	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380541CG	Mean Well	ES25A15-P1MU	25	+15/1.66	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	243012CG	Mean Well	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6"	0.8	UL/CUL/TUV/CE	23.69	21.80	20.76	19.71
	206455CG	Ault	SC100	25	+16/1.56	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/6"	1.2	UL/CUL/TUV/CE	14.95	13.46	10.76	8.07
	379840CG	Mean Well	ES25A18-P1JU	25	+18/1.38	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380550CG	Mean Well	ES25A18-P1MU	25	+18/1.38	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379883CG	Mean Well	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380576CG	Mean Well	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6"	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221681CG	Mean Well	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6"	0.8	UL/CSA/TUV/CE	26.95	24.29	21.85	19.65

* See accessory table-top power cord chart on page 248 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

† Right angle

Ⓢ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

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245

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

Color Code Legend			
New	Sale	Lower\$	QtySave

See page 259 for International Power Cords

We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.



206528CG



229032CG



211191CG



211107CG

Polarity 1 \oplus \ominus \ominus (center negative)



Female



Male

Polarity 2 \ominus \oplus \oplus (center positive)



DIN M

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
				3-Wire AC Input – Regulated Switching (Continued)													
21-29 Watt	379891CG	Mean Well ☺	ES25A28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	\$20.69	\$18.53	\$16.22	\$15.45
	380584CG	Mean Well ☺	ES25A28-P1MU☺	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379903CG	Mean Well ☺	ES25A48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380605CG	Mean Well ☺	ES25A48-P1MU☺	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	215087CG	Mean Well ☺	P30A-8P2JU☺	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.89	19.89	18.09	16.55
	196269CG	Everglow	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	27.95	25.19	22.65	20.39
	190650CG	Ault	SW300	25	+5/4, +12/1.0	100-250@50-60	5-pin DIN M	No	Black	5.9 x 3.4 x 2.1	6'/2	1.5	UL/CSA/TUV	9.95	8.96	8.06	7.25
	190960CG	Mean Well ☹	P25A13D-R1U	26	+5/2.5, +12/0.8 -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	32.95	29.69	26.69	24.05
	221719CG	Mean Well ☺	P25A14E-R1BU	25	+5/2.5, +15/0.3 -15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	32.95	29.69	26.69	24.05
30-40 Watt	320080CG	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	24.69	22.89	20.59	18.55
	206528CG	Mean Well ☹	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	229008CG	Philhong	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	401041CG	ReliaPro	EA10362	36	+12/3.0	120-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/3	0.6	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	695033CG	—	TG-3601-12V	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm	Yes	Black	4.3 x 2.4 x 1.2	4'10"/2	0.6	UL/CUL/TUV/CE	18.95	17.10	15.39	13.75
	155213CG	Mean Well ☺	P40A-3P2JU☺	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	35.95	32.36	29.12	26.21
	297692CG	Mean Well ☺	P40A-3P2MU☺	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355064CG	ReliaPro ☹	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/2	0.6	UL/CUL/TUV/CE	29.39	23.51	20.58	19.52
	229017CG	Philhong ☹	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221575CG	Mean Well ☺	P40A-4P2JU☺	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	230480CG	Philhong ☺	PSA31U-180	30	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/2	0.5	UL/CUL/TUV/CE	30.95	27.79	25.09	23.85
	229024CG	Philhong ☺	PSA31U-240	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.95	22.99	21.95
	181884CG	Mean Well ☺	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/TUV/CE	35.95	32.36	29.12	26.21
	297756CG	Mean Well ☺	P40A-6P2MU☺	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	229032CG	Philhong ☺	PSA31U-480	30	+48/0.63	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.6	6'/2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221583CG	Mean Well ☺	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	211191CG	Westinghouse	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/2	1.1	UL/CSA/TUV	25.95	23.35	18.68	14.01
	404443CG	AcroPower	ASX30T-577/07	30	+5/3, +12/0.1 -12/0.5	100-240@50-60	5-pin DIN M	No	Black	6.0 x 3.5 x 2.0	6'/6'	2.0	UL/CUL/CE	19.95	17.95	14.36	10.77
41-59 Watt	221487CG	Mean Well ☺	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	36.95	33.95	31.95	29.49
	622547CG	Samsung	AD-4212L	42	+12/3.5	100-240@50/60	1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	21.95	19.75	15.80	11.85
	622555CG	Samsung	AD-4212L-2.1	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	24.95	22.45	17.96	13.47
	447099CG	Potrans	UP0482112D	48	+12/4	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.6 x 2.5 x 1.4	6'/2	0.7	UL/CUL/TUV	32.69	26.13	22.86	17.19
	221702CG	Mean Well ☹	P50A13D-R1BU	50	+5/4.0, +12/2.0 -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	48.95	44.09	39.69	35.69
	211107CG	Fortron	FSA55P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/2	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
	237366CG	Mean Well ☺	P50A14E-R1BU	42	+5/3.5, +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	39.95	38.31	36.39	34.57
60-80 Watt	155230CG	Mean Well ☺	SPU50-3U☺	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
	297721CG	Mean Well ☺	SPU50-3P2MU☺	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
	376607CG	Mean Well ☹	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	379671CG	Mean Well ☺	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	37.59	35.79	34.09	32.45
	391743CG	Mean Well ☹	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	221428CG	Mean Well ☺	U65S105-P2JU☺	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	58.46	52.61	43.84
	221436CG	Mean Well ☺	U65S106-P2JU	80	+15/5.33	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	243046CG	Mean Well ☹	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	38.49	34.91	32.21	29.55
221444CG	Mean Well ☺	U65S107-P2JU☺	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49	

* See accessory table-top power cord chart on page 248 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Philhong and GlobTek

Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Regulated Switching Table-Top Power Supplies

See page 259 for International Power Cords



We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.



297633CG



355056CG



172064CG



221461CG

Polarity 1 $\oplus \ominus \ominus$ (center negative)



Female



Male

Polarity 2 $\ominus \oplus \oplus$ (center positive)

Power	Part	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
	Number			Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
	Number			W	A												
3-Wire AC Input – Regulated Switching (Continued)																	
60-80 Watt	161606CG	Mean Well ⚡	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.6	1'9"/6'	1.3	UL/CSA/TUV	\$44.95	\$39.95	\$35.95	\$32.95
	297633CG	Mean Well ⚡	SPU50-6P2MU⚡	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'6'	1.3	UL/CUL/TUV/CE	44.95	39.95	35.95	32.95
	355056CG	ReliaPro ⚡	JR-TT-66-24	66	+24/2.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'1"2	1.2	UL/CUL/TUV/CE	34.95	32.21	28.68	27.31
	221453CG	Mean Well ⚡	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x1.8	6'6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	376614CG	Mean Well ⚡	P66A-8P2JU⚡	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	379680CG	Mean Well ⚡	P66A-8P2MU	66	+48/1.37	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'6'	1.2	UL/CSA/TUV/CE	37.59	35.79	34.09	32.45
	172064CG	Mean Well ⚡	SPU50-9U⚡	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.7	6'6'	1.3	UL/CSA/TUV	44.95	40.49	36.45	32.79
	221461CG	Mean Well ⚡	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49

* See accessory table-top power cord chart on page 248 when AC cord needed; refer to 1, 2, or 3 in "Cord (DC/AC)" column above for correct power cord
 ▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Blue Part No. = Limited Quantity Available

Compact DC Regulated Switching Power Adapter with Detachable Plugs

This state-of-the-art switching power adapter offers some major advantages such as stabilized outputs, short circuit and overload protection, compact design, and low idle consumption versus typical wall adapters.

- Plugs (mm): Male: 2.5, 3.5; Female: 1.0 x 3.0, 1.3 x 3.5, 1.7 x 4.0, 2.1 x 5.0, 1.5 x 5.5 and 2.5 x 5.5
- Size: 2.9"H x 1.2"W x 1.9"D
- Output voltages: 3/4.5/6/7.5/9/12 VDC @ 800mA (reg.) with 1.5A max. output



Part No.	Input Voltage	Power Output	Efficiency	Wt. (lbs.)	Price
239565CG	100-240VAC	10W	80%	0.2	\$19.95

36-Watt AC-to-AC Table Top Power Supply

- Input voltage: 120VAC @ 60Hz
- Output voltage: 12VAC @ 3A
- Input connector: 6' long/2-prong AC plug
- Output connector: 6' long/2.1mm x 5.5mm Female
- UL/CUL
- Size: 3.6"L x 2.6"W x 2.3"H



Part No.	Product No.	1	10	50
455611CG	D571203000	\$11.95	\$10.76	\$9.68

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AC-to-DC Regulated Linear Table-Top Power Supplies

We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 259 for International Power Cords



211060CG



174844CG



318756CG



318756CG



DIN M

Polarity 1 $\oplus \ominus \ominus$ (center negative)



Female



Male

Polarity 2 $\ominus \oplus \oplus$ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	211060CG	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F 2	No	Black	3.4 x 2.7 x 2.2	6'6"/6'	1.7	UL/CSA	\$11.95	\$10.76	\$8.85	\$6.45
	174844CG	Jameco	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.0 x 2.5	6'6"/6'	2.6	—	18.65	16.78	13.42	10.07
3-Wire AC Input – Regulated Linear																	
3-55	664261CG	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	Black	4.4 x 2.5 x 2.0	6'6"/6'	1.6	UL/CSA	\$14.95	\$13.49	\$10.76	\$8.07
	318756CG	Adcom	WM113TT	13	+5/0.86; ±12/0.3	115@60	5-pin DIN M	No	Black	4.9 x 3.0 x 2.2	6'6"/6'	1.3	UL/CSA	51.95	47.95	42.95	34.00
	689661CG	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'6"/6'	2.7	UL	21.95	19.95	17.49	14.95
	689653CG	Regal	RJM-551228	55	+5/0.9; -5/0.2; ±12/0.62; -28/0.16	120@60	6-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'6"/6'	1.3	CUL	24.95	22.49	19.95	16.49

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

247

AC-to-DC Unregulated Table-Top Power Supplies



RoHS Compliant Product
RoHS Also Available

Details on Page 1

Color Code Legend
New Sale Lower\$ QtySave

We will change any power plug (pg 171) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 259 for International Power Cords



Stripped



243109CG



354941CG



143714CG



143731CG

Quantity SAVE

Polarity 1 \oplus \ominus (center negative)



Female



Male

Polarity 2 \ominus \oplus (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Power (W)	Volts (VDC)/Current (A)									1	10	50	100
2-Wire AC Input – Unregulated																	
9-30 Watts	190051CG	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.3 x 1.9	6'6'	1.9	UL/CUL	\$9.95	\$8.99	\$7.19	\$5.39
	243109CG	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'6'	1.2	UL/CSA	13.95	12.56	10.04	7.53
	354941CG	Terayon	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.3 x 1.9	6'6'	1.4	UL/CUL	12.95	11.49	8.75	6.09
	136565CG	Jameco	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'6'	1.2	—	15.35	13.82	11.05	8.29
	140880CG	Jameco	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'6'	1.5	UL	14.25	12.82	11.54	10.39
	143714CG	—	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'6'	2.2	CUL-No UL	16.45	14.80	13.32	11.99
	143722CG	Jameco	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'6'	2.2	UL/CUL	14.25	12.82	11.61	10.44
	143731CG	—	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	Black	3.8 x 2.8 x 2.3	6'6'	1.9	CUL-No UL	14.25	12.64	10.33	7.69
	139096CG	Jameco	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.1 x 2.6	6'6'	2.5	—	16.45	14.80	13.32	11.99
173665CG	Skyнет	DND-3005	15	+30/0.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL	11.95	10.76	8.60	6.45	
3-Wire AC Input – Unregulated																	
15-25	157956CG	Everglow	EFU120150	18	+12/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.7 x 2.2	6'6'	2.0	UL	\$12.05	\$10.84	\$9.76	\$8.78
	196306CG	—	A51813D	23	+18/1.3	120@60	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.4 x 2.0	6'6'	1.8	UL/CSA	12.95	11.69	9.34	7.04

▲ Brand and product number may vary except for ReliaPro, Mean Well, Philhong and GlobTek

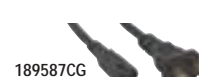


38041CG



38050CG

* Accessory Power Input Cords for Table-Top Power Supplies



189587CG

For Additional Power Cords See Pages 260-261.

Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
38041CG	1	3-conductor power cord	Beige	18/3	UL/CSA	6'	0.4	SVT	\$3.49	\$3.15	\$2.51	\$1.88
38050CG	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	3.75	3.29	2.87	2.12
189587CG	3	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	2.95	2.65	2.37	2.10

SALE

Medical Table-Top & Wall Switching AC-to-DC Power Supplies

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- 3-wire AC input
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078CG, pg 260
- Size: 2.9"L x 2.0"W x 1.6"H
- UL/CUL/TUV/CE approved for medical applications



Blue Part No. = Limited Quantity Available

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230658CG	TR9CA2600CP	13.0	+5/2.6	\$28.95	\$26.06	\$23.72	\$22.47
230682CG	TR9CE1250CP	15.6	+12/1.3	32.95	29.65	26.69	23.99
230691CG	TR9CG1200CP	18.0	+15/1.2	32.95	29.65	26.69	23.99
230711CG	TR9CI750CP	16.8	+24/0.7	22.39	20.35	18.48	16.80
230739CG	TR9CA6000LCP	30.0	+5/6.0	46.95	42.26	33.80	32.08
230763CG	TR9CE4000LCP	49.2	+12/4.0	52.95	47.65	42.89	38.59
230772CG	TR9CG3333LCP	49.5	+15/3.3	46.95	42.26	33.80	32.08
230797CG	TR9CI2100LCP	50.4	+24/2.1	52.95	47.66	38.12	32.08

GlobTek® AC-to-DC Medical Regulated Switching Wall Adapters

- Input voltage: 100-240VAC @ 47-63Hz
- 3-prong input plug
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Output cord length: 6'
- Size: 2.9"H x 1.9"W x 1.6"D
- Agency approval: UL/CUL/TUV/CE approved for medical applications



SALE

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230842CG	WR92E1250LCP	15.6	+12 @ 1.3	\$30.95	\$27.86	\$25.07	\$22.56
230877CG	WR92I750LCP	16.8	+24 @ 0.75	25.45	23.15	21.05	19.15

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

JAMECO ReliaPro

"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Input voltage: 100 – 240VAC @ 47-63Hz
- Output cord length: 6'
- Output connector: 2.1mm x 5.5mm F2 (center positive)

Blue Part No. = Limited Quantity Available

A Jameco EXCLUSIVE

We'll Brand the Adapters
 With Your Company Name
 Call 1-800-831-4242 for Details

- Color: black
- One-year warranty



Part Number	Cross Ref. Number	Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
		Volt (VDC)	Curr. (mA)			1	10	50	100
251563CG	S08AA033150	3.3	1500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74
251598CG	S15AA033250	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22
252701CG	S08AB050050	5.0	500	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.34
252719CG	S08AB050100	5.0	1000	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252727CG	S08AB050150	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21
252735CG	S15AB050250	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252751CG	S08AD090050	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
252770CG	S08AD090090	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252777CG	S15AD090120	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252786CG	S15AS090170	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11
252794CG	S08AE120025	12.0	250	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33

Part Number	Cross Ref. Number	Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
		Volt (VDC)	Curr. (mA)			1	10	50	100
252806CG	S08AE120050	12.0	500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74
252815CG	S08AE120070	12.0	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252823CG	S15AE120100	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252832CG	S15AE120140	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252890CG	S08AF150050	15.0	500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
254756CG	S15AF150080	15.0	800	2.9x1.3x2.2	0.2	13.15	11.94	10.99	10.60
252902CG	S15AF150120	15.0	1000	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252849CG	S08AH240013	24.0	130	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252857CG	S08AH240025	24.0	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252865CG	S15AH240050	24.0	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252874CG	S15AH240063	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52



Energy Star/European Compliant Interchangeable-Plug Wall Adapters

Meets US and European Energy Star compliance.

Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Regulated output
- Power-On LED
- Double insulated
- Input voltage: 90-264VAC @ 47-63Hz
- Class B EMI
- Output connector: 2.1mm x 5.5mm female center positive
- Energy Star and ECOC compliant

Wall Adapters (Plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking



Shown with plug clip not included



Shown with plug clip included

Part No.	Product No.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing			
										1	5	25	100
228743CG	PSA05R-050	5	5	1.0	50	±5%	±5%	60	2.8 x 1.8 x 1.2	\$13.05	\$11.85	\$11.35	\$11.07
228770CG	PSA05R-120	5	12	0.42	120	±5%	±5%	60	2.8 x 1.8 x 1.2	13.95	13.25	12.60	12.50
662864CG	PSM11R-050	10	5	2.0	100	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.69	13.78	13.25	12.70
662872CG	PMS11R-090	10	9	1.12	100	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.29	13.49	13.11	12.70
662881CG	PSM11R-120	10	12	0.84	120	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	14.29	13.44	13.11	12.70
662899CG	PSA15R-050P	15	5	3.0	50	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89
662910CG	PSA15R-120P	15	12	1.25	120	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89
663728CG	PSA15R-480P	15	48	0.31	480	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89

AC Plug Clips & Plug Clip Kit (sold separately, required for above adapters)



Part No.	Product No.	Description	1	10	50	100
229155CG	RPA	USA Plug	\$0.53	\$0.52	\$0.515	\$0.51
229163CG	RPE	European Plug	.65	.61	.60	.59
229181CG	RPKIT	Kit w/ RPA/RPE/RPK/RPS (AUST)	2.65	2.39	2.32	2.25



2.5 Watt USB Power Adapter with Interchangeable Plug

- USB socket
- Efficiency: 55% (typical)
- Voltage input range: 90-264VAC @ 47-63Hz
- Voltage output: 5VDC @ 0.5A
- Leakage current: 0.20µA max.
- UL/CUL/TUV/CE approved
- ECOC compliant and RoHS compliant
- Size: 2.97"L x 1.81"W x 1.25"H



Part No.	Product No.	1	5	25	100
662805CG	PSC30R-05	\$16.69	\$15.15	\$13.21	\$11.54

Extra Savings for You

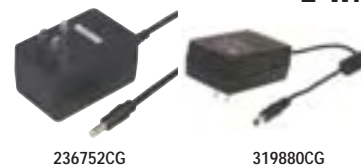
To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments!

1-800-794-9100

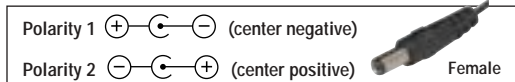
AC-to-DC Regulated Switching Wall Adapters (Continued)

Color Code Legend			
New	Sale	Lower\$	QtySave

2-Wire AC Input – AC-to-DC Regulated Switching Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 171) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Part Number	Brand	Product Number	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
230544CG	Phihong	PSA05A-050	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	\$17.95	\$16.95	\$15.95	\$14.95
228881CG	Phihong	PSC10A-050	5	2000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.09	11.88	11.12	10.36
210894CG	ReliaPro	S15AB050200	5	2000	2.5mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
236752CG	GlobTek	WR92A2600CCP1	5	2600	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 1.9 x 1.6	Black	6'	0.5	UL/CUL/TUV/CE	13.49	12.15	10.95	9.85
319880CG	Mean Well	ES18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
228937CG	Phihong	PSC15A-050	5	3000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
379621CG	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380322CG	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380007CG	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380331CG	Mean Well	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228890CG	Phihong	PSC10A-090S	9	1100	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.79	11.99	10.99	10.49
228945CG	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.85	11.59	11.45	11.35
319898CG	Mean Well	ES18U09-P1J	9	2000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
380138CG	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380349CG	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
229754CG	Phihong	PSC10A-120S	12	830	2.1mm x 5.5mm F 2	90-132@ 57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.95	11.89	10.99	10.59
228954CG	Phihong	PSC15A-120	12	1250	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
312865CG	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	12.29	11.35	10.62	9.89
380154CG	Mean Well	ES25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380357CG	Mean Well	ES25U12-P1M	12	2080	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.79	15.39	14.94	14.23
319919CG	Mean Well	ES18U15-P1J	15	1200	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380171CG	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380365CG	Mean Well	ES25U15-P1M	15	1670	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.25	12.89
380189CG	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380373CG	Mean Well	ES25U18-P1M	18	1390	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228971CG	Phihong	PSC15A-240	24	620	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
319928CG	Mean Well	ES18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380200CG	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380390CG	Mean Well	ES25U24-P1M	24	1040	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380218CG	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380402CG	Mean Well	ES25U28-P1M	28	890	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380234CG	Mean Well	ES25U36-P1J	36	690	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380411CG	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380242CG	Mean Well	ES25U48-P1J	48	520	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380445CG	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89

Other Manufacturers — Great Deals

SALE

Quantity SAVE

225995CG	Delta Electronics	ADP-5DB	5	1000	2.5mm x 5.5mm F 2	100-120@50-60	2.5 x 1.8 x 1.1	Black	6'	0.2	UL	\$10.95	\$9.89	\$8.89	\$7.99
308048CG	Poltran	UWP010210500	5	1500	2.1mm x 5.5mm right angle F 2	100-240@60	2.8 x 1.4 x 2.1	Black	10'2"	0.5	UL/CUL	11.05	9.39	7.05	4.95
228726CG	ORB	777-052000S-UF	5	2000	2.1mm x 5.5mm F 2	100@60	3.1 x 2.1 x 1.5	Black	5'	0.5	UL/CUL	12.95	11.49	10.49	9.49
308697CG	Both Hand	MI-10505	5	2000	2.1mm x 5.5mm F 2	120@60	2.2 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.65	9.59	7.67	5.75
189190CG	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.49	11.24	8.99	7.19
210892CG	—	EPA101MU	5	2000	2.5mm x 5.5mm F 2	100-240@50-60	3.2 x 2.4 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.66	10.49	9.44
689864CG	DVE	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	11.95	10.75	9.49	7.95
248743CG	MEI	EPA-101M-05A	5	2500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.4 x 1.4	Black	6'	0.5	UL/CUL	13.49	12.14	9.71	7.28
684721CG	Hitron	HESIO-06020-0-2	6	2000	2.1mm x 5.5mm right angle F 2	100-240@50-60	3.1 x 2.2 x 1.3	Black	6'	1.2	UL/CUL/CE	12.95	11.75	10.49	8.95
308671CG	Highpower	HPW-1009U	9	1110	2.1mm x 5.5mm F 2	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.3	UL/CUL/TUV/CE	11.89	10.97	10.24	9.50
421649CG	Unifive	US100913	9	1300	2.5mm x 5.5mm F 2	100-120@50-60	2.4 x 1.7 x 1.2	Black	6'	0.2	UL/CUL	11.89	10.70	8.56	6.42
298054CG	DVE	DSA-009-12A	12	750	2.1mm x 5.5mm F 2	90-132@47-63	2.7 x 1.1 x 1.8	Black	6'	0.3	UL/CUL	11.89	10.70	8.56	6.42
235096CG	DVE	DSA-0151A-12S	12	1250	2.1mm x 5.5mm F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.3	UL/CUL	13.49	12.14	9.71	7.28
320311CG	Gilat	E040105E	24	1670	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 2.4 x 1.6	Black	6'	0.7	UL/CUL	14.95	13.46	11.68	10.25

† 3-wire AC input

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

♾ Blue Part No. = Limited Quantity Available

AC-to-DC Wall Adapters continued on pages 249, 251 - 253

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

♾ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. ✓ This product has a RoHS equivalent, manufacturer may vary.

AC-to-DC Regulated Linear Wall Adapters



2-Wire AC Input – AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 171) on any DC wall adapter listed (100 pc. minimum)
for a small additional charge.

• One-year warranty

Polarity 1		(center negative)	Polarity 2		(center positive)
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Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
164101CG	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	\$10.95	\$9.86	\$8.87	\$7.98
220935CG	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.29	11.06	8.85	6.64
168605CG	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.55	11.54	10.62	9.12
190512CG	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	7.65	6.89	5.98	4.47
220898CG	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.65	7.29	6.85	6.45
162996CG	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.86	8.87	7.98
170245CG	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	15.35	13.82	12.43	10.36
174861CG	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
174879CG	ReliaPro	RFU240050	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62

Other Manufacturers — Great Deals

SALE

Quantity SAVE

319847CG	—	DV-530R	5	300	2.5mm x 5.5mm F 2	120@60	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	\$7.15	\$6.45	\$5.79	\$4.81
289182CG	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F 2	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	10.49	9.45	7.55	<u>5.65</u>
319986CG	—	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.16	<u>5.37</u>
425519CG	Condor	DV-51AR	5	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CUL	10.69	9.62	7.70	5.77
297941CG	—	JOD-480-08	5	1000	2.5mm x 5.5mm F 2	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	10.99	9.89	7.91	5.94
681571CG	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	8.95	6.95	<u>5.21</u>
154624CG	Motorola	512-305-4C3E	+5/±12	500/130	8-pin DIN M	120@60	2.9 x 2.6 x 1.9	Black	6'	1.2	UL/CSA	12.95	11.66	10.09	9.29
283573CG	—	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.05	6.21	5.49
190529CG	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.21
425527CG	Condor	48-9-700R	9	700	2.1mm x 5.5mm F 1	120@60	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.89	10.97	10.42	9.50

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

● Blue Part No. = Limited Quantity Available

2-Wire AC Input – AC-to-DC Unregulated Wall Adapters



We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 171) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz

• One-year warranty

Polarity 1		(center negative)		(center positive)
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280250CG



Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
112070CG	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$8.05	\$7.25	\$6.52	\$5.87
155601CG	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	5.19	4.67	4.20	3.50
119255CG	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	4.75	4.28	3.85	3.46
101266CG	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.59	4.28	3.42	2.57
15544CG	ReliaPro	DBU060050	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.75	4.25	3.82	3.44
147707CG	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.45	4.94	4.46	4.02
220943CG	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	7.15	6.44	5.79	5.21
220951CG	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	4.75	4.35	3.92	3.57
280250CG	ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	5.49	4.73	4.61
127511CG	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	7.09	6.38

Other Manufacturers — Great Deals

SALE

Quantity SAVE

237227CG	Freeplay	DX351307	4.5	100	1.3mm x 3.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	\$1.29	\$1.15	\$1.04	\$0.94
320303CG	Globtek	WR1A1000CCP-N	5	1000	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.49	8.55	6.85	5.15
219651CG	—	FE4823-050E120	5	1200	2.5mm x 5.5mm F 2	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.47	3.71	<u>2.78</u>
237251CG	Freeplay	DPX350817	6	100	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.53
302439CG	—	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.99	3.59	2.87	<u>2.15</u>
682363CG	Epson	H00AA	6	600	2.1mm x 5.5mm F 1	2.4 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	4.49	3.95	3.49	2.49
227951CG	—	JOD-48U-33	6	2100	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.79	7.15	6.45	5.79
248751CG	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	<u>3.50</u>
249279CG	AESP	FO-AC-4305	7.5	1000	2.1mm x 5.5mm right angle F 2	3.2 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	6.95	6.25	5.65	5.09

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

● Blue Part No. = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 249, 250, 252 & 253

Color Code Legend
New Sale Lower\$ QtySave

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AC-to-DC Unregulated Wall Adapters (Continued)



RoHS Compliant Product
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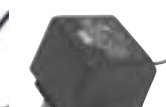
Details on Page 1

Color Code Legend
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We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 171) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz • One-year warranty



219601CG

400899CG

227774CG

Polarity 1 (+) (center negative) Female Male Stripped Polarity 2 (center positive)

Quantity SAVE

SALE

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
100845CG	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	\$4.49	\$3.97	\$3.48	\$3.14
134025CG	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.45	4.90	3.92	2.94
100837CG	ReliaPro	DBU090020	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	4.35	3.95	3.58	3.25
133891CG	ReliaPro	DBU090030	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.49	3.05	2.59
189238CG	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.79	4.31	3.45	2.59
318676CG	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.29	3.83	3.37	3.20
202155CG	ReliaPro	DBU090030	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	3.65	3.26	2.93	2.64
140636CG	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	4.59	4.17	3.73	3.36
202171CG	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.35	3.91	3.13	2.35
163628CG	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.35
100853CG	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.45	4.90	4.41	3.97
147731CG	ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	4.55	4.09	3.69	3.39
236937CG	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.35	5.72	5.14	4.63
15561CG	ReliaPro	DCU090050	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.35	4.81	4.33	3.90
202180CG	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.39	4.83	4.35	3.68
100175CG	ReliaPro	DCU090060	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.22	4.68	4.35
202198CG	ReliaPro	DCU090060	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.65	6.89	6.20	5.58
364576CG	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.75	7.87	6.98	6.06
127504CG	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.25	7.42	6.68	5.55
15587CG	ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
130526CG	ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.08	5.31
143693CG	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.95	9.86	7.65	5.70
163993CG	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.25	4.73	4.25	3.83
100095CG	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.92	3.12	2.34
158043CG	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
220433CG	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
185658CG	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	4.28	3.56
219601CG	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.35	3.91	3.12	2.34
318692CG	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976CG	ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.25	4.59	3.85	3.25
249236CG	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	5.35	4.23	3.73	3.40
190502CG	ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.62	5.30	4.00
114825CG	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.25	4.78	3.80	2.85
15368CG	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.15	6.44	5.79	5.21
102496CG	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.79	4.58	4.00	3.81
131300CG	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
102277CG	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
17267CG	ReliaPro	DCU120050	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
202201CG	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.45	4.90	4.32	3.99
202219CG	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.69	5.14	4.11	3.08

Other Manufacturers — Great Deals

308056CG	—	A40910M	8.7	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	\$6.75	\$6.09	\$5.49	\$4.55
622563CG	Stancor	STA-3590B	9	100	2.1mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	3.19	2.89
355936CG	—	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.79	3.41	2.72	2.05
237243CG	Freeplay	DPX351322	9	200	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	2.35	2.15	1.92	1.74
400899CG	WABI	LF09250D-08	9	250	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.09	3.27	2.86	2.15
657029CG	Motorola	SPN4622A	9	300	1.35mm x 3.5mm right angle F 2	2.3 x 1.8 x 1.5	Black	6'	0.4	UL	4.29	3.86	3.09	2.32
169519CG	Panasonic	KX-TCA1	9	350	2.1mm x 5.5mm right angle F 1	2.7 x 1.7 x 1.6	Dk. Gray	6'	0.4	UL/CSA	3.85	3.47	3.12	2.81
319177CG	Explore Tech.	41-9-5000	9	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.15	3.74	2.99	2.24
170270CG	Panasonic	POLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
652341CG	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.29	4.75	3.81	2.85
421577CG	Powerline	O900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	7.35	6.62	5.29	3.97
164929CG	—	DDU090100	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.75	7.86	6.33	4.72
227774CG	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.15	5.75	4.29
421690CG	Fisher-Price	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	7.15	5.68	4.97	3.73
285958CG	API	AP2072P	9	1000	2.5mm x 5.5mm right angle F 2	2.5 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.26	4.99	3.75
237067CG	APS	D9-15-950	9	1500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.3	UL/CUL	9.95	8.96	7.16	5.37
457799CG	Conдор	DSA-0151F-09	9	200	2.1mm x 5.5mm F 1	3.2 x 2.1 x 1.7	Black	6'	0.5	UL/CUL	12.75	11.83	11.24	10.68
684836CG	Southwest Bell	KEC-41-100-5	10	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.65
661079CG	—	DP300-04	12	200	2.1mm x 5.5mm right angle F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.59	2.89	2.10
211238CG	Quotrek	35D-12-250	12	250	2.5mm right angle M 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.15
201099CG	—	SPN4230A	12	300	1.3mm x 3.5mm right angle F 2	2.3 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	4.99	4.49	4.05	3.35

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek ● Blue Part No. = Limited Quantity

More AC-to-DC Wall Adapters listed on pages 249 - 251 & 253

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Curr. (mA)							1	10	50	100
121232CG	ReliaPro	DDU120080	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	\$6.79	\$6.13	\$4.91	\$3.67
117479CG	ReliaPro	DDU120080	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.65	6.89	6.20	5.58
129331CG	ReliaPro	DDU120080	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	6.15	5.54	4.98	4.48
100870CG	ReliaPro	DDU120100	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	8.99	8.09	7.28	6.55
105478CG	ReliaPro	DDU120100	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392CG	ReliaPro	DDU120100	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
213559CG	ReliaPro ☺	GPC-081	12	1000	Auto lighter power outlet	4.3 x 2.2 x 1.9	Black	—	1.1	UL/CUL	13.95	12.56	10.04	7.53
196779CG	ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036CG	ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.25	12.82	10.29	7.69
313226CG	ReliaPro	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881CG	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.25	12.82	11.54	10.39
101291CG	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	11.45	10.30	9.27	8.35
249738CG	ReliaPro ☺	MW57-1202000	12	2000	Stripped & tinted	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25
308099CG	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	8.09	7.16	6.22
212812CG	ReliaPro	DBU140020	14	200	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.35	3.07	2.80	2.52
212821CG	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	4.95	4.45	3.55	2.66
123932CG	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.73	5.05
202243CG	ReliaPro	DDU140070	14	700	2.5mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	8.95	8.06	6.44	4.83
202260CG	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	8.75	7.65	6.88	6.15
190001CG	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
189982CG	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
155803CG	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
232258CG	ReliaPro	DDU150080	15	800	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL	4.75	4.34	3.94	3.58
203502CG	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.65	6.89	5.51	4.13
151992CG	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652CG	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.55	9.50	8.55	7.69
162317CG	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	8.75	7.65	6.86	6.15
181729CG	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272CG	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	10.95	9.86	8.38	6.28
206958CG	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285CG	ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635CG	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.86	7.08	5.31
191556CG	ReliaPro	DDU240050	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.89	7.98	6.66
139088CG	ReliaPro	DDU240050	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.75	7.19	6.45	5.35
168495CG	ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.05	10.84	9.76	8.78
220960CG	ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130CG	ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121CG	ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249113CG	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523CG	ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.86	8.87	7.98
215095CG	ReliaPro ☺	MW48-4800250	48	250	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.49	6.79	6.05
230632CG	ReliaPro 🌀	MW48-4800250-2.1	48	250	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	4.89	4.39	3.99	3.67
215108CG	ReliaPro	MW57-4800500	48	500	2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	11.95	10.76	9.68	8.71
230640CG	ReliaPro ☺	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	11.95	10.76	8.60	6.45
15309CG	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
123158CG	ReliaPro ↑	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	7.98

Other Manufacturers — Great Deals

355590CG	Southwestern Bell	PS-400	12	400	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	\$4.99	\$4.49	\$3.99	\$3.59
695252CG	—	L4D-120050R	12	500	1.3mm x 3.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695287CG	—	L4D-120050R-2.1	12	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695261CG	—	L4D-120050R-2.5	12	500	2.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695279CG	—	L4D-120050R-3.5	12	500	3.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
305103CG	—	AD1250-5LE	12	500	2.1mm x 5.5mm F 2	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	4.39	3.99	3.15	2.36
211051CG	Calrad	DV-1280 Dual	12	800	2.5mm x 5.5mm rt angle F 2 w/ input switch	2.6 x 2.4 x 1.9	Black	6'	0.9	None	2.35	2.19	1.99	1.79
240101CG	Broadxent	AD-121AN	12	1000	2.1mm x 5.5mm F 2	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	6.99	6.29	5.66	5.09
189579CG	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
192786CG	—	MK135100	13.5	1000	2.1mm x 5.5mm F 1	2.9 x 2.3 x 2.0	Black	6'	1.0	UL/CSA	2.95	2.65	2.41	2.19
447081CG	Technics	TEAD-48-131000U	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	7.99	7.08	5.75	4.31
129314CG	—	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.19	4.67	3.74	2.80
681563CG	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	8.95	7.95	6.95	5.90
217541CG	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2 w/ LED indicator	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
217568CG	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.99	5.39	4.31	3.23
206957CG	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F 2	3.4 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
404339CG	Ault	P48240500A020G	24	500	2.1mm x 5.5mm F 2	2.5 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.45	5.99	5.24	4.97
196322CG	3Com	P4824060A020G	24	600	2.1mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.1	UL/CSA	8.95	8.06	7.15	5.85

† 120 to 220VAC ▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 250- 252

2-Wire AC Input – AC-to-AC Wall Adapters



RoHS Compliant Product
RoHS Also Available

Details
on
Page 1

Color Code Legend			
New	Sale	Lower\$	QtySave



We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 171) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Quantity SAVE



236814CG



233293CG



• Input: 120VAC @ 60Hz

• One-year warranty



308718CG



206421CG

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VAC)	Current (mA)							1	10	50	100
249017CG	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$5.69	\$5.15	\$4.10	\$3.09
100061CG	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	5.05	4.53	3.63	2.73
236814CG	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	5.45	4.90	4.41	3.97
102234CG	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
157041CG	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.65	6.89	6.20	5.58
112336CG	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.86	8.87	7.98
101258CG	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	5.05	4.54	3.71	3.28
10081CG	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.14	4.62	4.16
100167CG	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	4.95	4.46	3.56	2.67
10428CG	ReliaPro	ACU120100	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	5.69	5.15	4.65	4.19
167151CG	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	5.45	4.94	4.39	3.69
307838CG	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	13.95	11.19	9.79	9.30
153761CG	ReliaPro	ADU120160	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.05	10.84	9.76	8.78
171408CG	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.44	3.55	2.66
318684CG	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	9.00	8.03	6.85
100108CG	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
163053CG	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.79	7.08	5.31
121216CG	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77
87581CG	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.69	5.12	4.61	4.15
140599CG	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	9.85	8.90	7.14	5.38
10102CG	ReliaPro	ADU240100	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	8.75	7.89	7.09	5.95
176356CG	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	11.55	10.40	9.36	8.42

Other Manufacturers — Great Deals

Quantity SAVE

101127CG	Siemens	DFX10096B	7	1500	2.5mm x 5.5mm F	1.9 x 2.2 x 2.0	Black	7'6"	0.8	UL/CSA	\$5.45	\$4.90	\$3.92	\$2.94
210729CG	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.55	2.84	2.13
184751CG	PhoneMate	M/N40	9	450	2.1mm x 5.5mm right angle F	2.8 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	4.19	3.77	3.39	3.05
226131CG	US Robotics	AA0950	9	500	2.5mm x 5.5mm F	2.5 x 2.1 x 1.7	Black	6'	0.5	UL/CSA	4.49	3.99	3.65	3.29
249295CG	Pacrim	41A-9-700	9	700	2.5mm x 5.5mm F	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	3.99	3.59	3.25	2.95
233293CG	Horizon	ACU090080	9	800	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.15	4.64	3.71	2.78
320258CG	US Robotics	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	8.95	8.05	6.44	4.83
217550CG	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	5.95	5.36	4.28	3.21
688634CG	—	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	5.95	5.35	4.75	3.95
285069CG	Shogyo	DV-1283	12	830	2.5mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.55	4.13	3.70
309884CG	—	AA-121A	12	1000	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	4.89	4.40	3.52	2.64
206404CG	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	6.95	6.29	5.65	5.09
210737CG	ITE Power Supply	PPI-1212UL	13	1200	2.1mm x 5.5mm F	3.3 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	4.95	4.49	3.59	2.69
421585CG	JBL Inc	A12-1A-01	14	850	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.55	4.85	4.32	4.03
185439CG	Ault	T5182200-A020G	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	8.25	7.42	5.94	4.46
308718CG	Comtrend	ACU-190051	19	510	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	3.29	2.99	2.75	2.45
206421CG	MG Electronics	MGT2410	24	420	Screw terminals	2.5 x 2.0 x 1.7	White	—	0.6	UL/CSA	6.49	5.84	5.26	4.73
206439CG	MG Electronics	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.19	6.49	5.85	5.25

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Philhong and Globtek

● Blue Part No. = Limited Quantity Available

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To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments!

1-800-794-9100



Triad AC/DC Wall Adapters

- AC/DC unregulated
- Input rating: 120VAC @ 60Hz
- Output rating: 6-18VDC
- 6' cord lengths



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete AC/DC Wall Adapter Offering at
www.Jameco.com/Prod/TriadWall

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-AC Table-Top Step-Down Adapter

- Input voltage: 120VAC @ 60Hz
- Output current: 4.0A
- Output plug: 2.1mm (ID) x 5.5mm (OD) female
- Attached AC cord
- Agency approvals: CSA
- Size: 3.7"L x 2.9"W x 2.5"H

- Output volts: 16VAC
- Output watts: 64W
- Cord (AC/AC): 6'/6'
- Color: black
- Weight: 2.8 lbs.

Part No.	Manufacturer	Product Number	1	10	50
176604CG	Jameco	TA661640	\$14.25	\$12.82	\$11.54

Wall Adapter Enclosures

- Enclosures include 3-prong power plug and cable strain relief
- Size: 3.4"H x 2.7"W x 2.3"D
- Material: noryl • Color: black

Blue Part No. = Limited Quantity Available

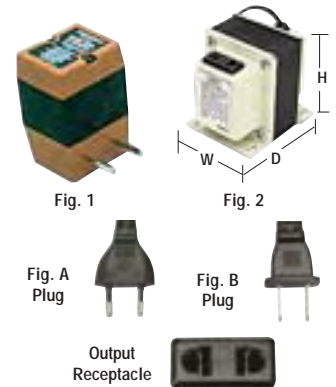
Part No.	Style	1	10	100
115051CG	Non-vented	\$2.25	\$1.95	\$1.69
115043CG	Vented	2.59	2.20	1.65

International Step-Up and Step-Down Transformers

• Wide selection to meet your power requirements

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Wt. (lbs.)	Pricing		
							H"	W"	D"		1	10	100
99573CG	AC110V50	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	\$9.95	\$8.99	\$8.09
85016CG	AC110V300	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	27.95	24.95	22.49
111851CG	AC110V500	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	34.95	31.49	28.95
221250CG	GSD-1000	2/A	Auto	220VAC	110VAC	1000	4.63	3.81	6.06	17.0	59.95	50.96	38.22
142906CG	AC110V1500	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	71.95	63.69
99477CG	AC220V50	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
85008CG	AC220V300	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	27.95	23.76	17.82
221217CG	P8689	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	61.95	57.55	43.85
221313CG	G1SD-500	2/A	Isolation	220VAC	110VAC	500	4.69	3.75	6.00	16.0	89.95	80.95	72.85
222092CG	G1SD-1000	2/A	Isolation	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	149.95	132.55	129.25
221330CG	G1S-500	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	69.95	57.49

* Manufacturer may vary



Fixed and Variable Power Transformers

6VAC/9VAC Dual Output Power Transformer

12VA

- Input voltage: 120VAC
- Output voltage: 6VAC @ 500mA center tap (blue wires); 9VAC @ 1A center tap (yellow wires)
- Size: 2.1"L x 2.6"W x 2.0"H • Weight: 1.3 lbs.

Part No.	Cross Ref. No.	1	10	100
183089CG	YS57H-099FAA	\$4.29	\$3.86	\$3.47

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103667CG and 109112CG (disconnect .25" solderless terminals), pg 168
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- Panel mount
- One-year warranty

Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149324CG	320VA variable	\$53.95	\$48.59	\$43.75

110/220VAC Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/ European output plugs
- Lighted on/off power switch

Blue Part No. = Limited Quantity Available

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121275CG	3A/250V (P/N 69438CG)	5.3 x 7.3 x 7.0	10.4
129007CG	5A/250V (P/N 10401CG)	9.4 x 6.5 x 7.7	14.8
152581CG	10A/250V (P/N 69462CG)	9.0 x 7.0 x 7.7	19.8

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.

Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218173CG	.64" x .20" x 1.15"	\$0.99	\$0.89	\$0.79
217841CG	.78" x .34" x 1.40"	1.45	1.29	1.15
318705CG	.82" x .45" x 1.42"	1.39	1.29	1.25

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A
- Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty

Part No.	Description	1	10	50
152936CG	550VA variable	\$71.45	\$64.34	\$57.92

120VAC to 120VAC Isolation Transformer

300VA

- Input voltage: 120VAC @ 60Hz
- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.

Part No.	Cross Ref. No.	1	10	100
181315CG	ITR300	\$44.95	\$38.21	\$28.66

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 343.

Square

Quantity SAVE

Part No.	Size (L" x W" x H")	1	10	100
421673CG	1.25 x .71 x .74 (white)	\$1.85	\$1.57	\$1.18
421681CG	1.30 x .70 x .77 (black)	1.85	1.57	1.18

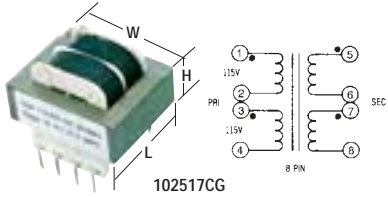
Save Big! Special Values!

Exceptional Quantity Discounts = Green

Split-Bobbin Power Transformers

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292CG	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$5.25	\$4.49	\$3.35
102533CG	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	6.25	5.65	3.06
102517CG	XFR1602SB	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.17	1.40	1.20	0.3	6.89	6.25	5.59
210956CG	DST2-24-845	—	115/230	1.1	12V @ .045A	12V @ .09A	24VCT @ .045A	1.17	1.40	0.95	0.2	6.49	5.85	5.25
176090CG	SPT41240-120	FS24250	115/230	6.0	12V @ .25A	12V @ .50A	24VCT @ .25A	1.32	1.63	1.40	0.5	5.95	5.25	4.59
102592CG	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.79	7.95	5.49
249412CG	DST-5-16	—	115/230	12.8	8V @ .80A	8V @ 1.6A	16VCT @ .80A	1.57	1.88	1.42	0.6	8.95	8.09	7.25
148559CG	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	7.49	6.37	4.77
209015CG	ST-6-48	—	115	19.2	24V @ .40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	2.59	2.32	2.11

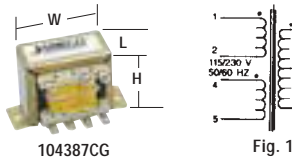
* Triad cross is for reference only

Blue Part No. = Limited Quantity Available

Quick-Connect Power Transformers

Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements

- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick connect, solder



Part No.	Cross Ref. No.	Triad Cross	Fig.	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
104387CG	XFR1225Q	FD612	1	115/230VAC	12.6VCT @ 2.5A	31.5	0.141"	2.21	2.32	2.00	1.3	\$9.29	\$7.90	\$5.92
104408CG	XFR1635Q	FD716	1	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	12.95	11.69	10.49
101864CG	XFR2424Q	FD724	1	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	11.95	10.70	9.52
104416CG	XFR3615Q	FD736	1	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	9.95	8.99	8.09

† Terminal solder lug are on same side

Blue Part No. = Limited Quantity Available

115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

Primary: 115VAC or 115/230VAC, 50-60Hz



Fig. 1

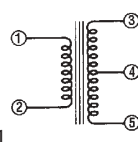


Fig. 2

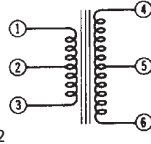
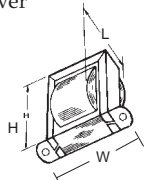
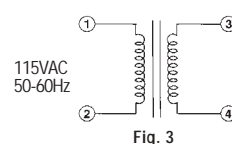


Fig. 3



Part No.	Cross Ref. No.	Triad Cross	Primary		VA	Secondary		Lead Type	Fig.	Dimensions			Wt. (lbs.)	Pricing		
			Color Code			Color Code				L"	W"	H"		1	10	100
102162CG	XFR6102	F314X	Black	Yellow*	Red	Black*	White	Wire	2	1.84	2.40	1.67	0.8	\$8.49	\$7.22	\$5.41
105523CG	XFR0910	—	Black	White*	Red	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	6.95	6.25	5.63
221399CG	P-8657	F218X	Black	—	Black	White	—	Wire	3	1.89	2.75	1.99	1.3	9.15	8.49	7.15
221356CG	P-8658	F219X	Black	—	Black	White	—	Wire	3	2.25	4.00	2.63	2.3	12.95	11.95	9.95
29225CG	XFR122	F44X	Yellow	—	Yellow	Black*	Black	Wire	1	2.41	2.79	1.99	1.5	10.69	9.49	8.39
102154CG	XFR1220	F344X	Black	Yellow*	Red	Black*	White	Wire	2	2.35	2.32	1.97	1.5	10.95	9.31	6.98
149770CG	XFR1240	F3181U	Black	Red*	Yellow	Black*	White	Wire	2	2.45	3.20	2.25	2.2	12.95	11.69	10.49
102120CG	XFR124	F181U	Black	—	Black	Black*	White	Wire	1	2.45	3.21	2.26	2.7	12.95	11.69	10.49
105532CG	XFR1810	—	Blue	Red*	Black	Yellow	Black*	Wire	2	2.20	2.81	1.99	1.2	6.95	6.26	5.31
149957CG	XFR1820	—	Black	Red*	Yellow	Black*	White	Wire	2	2.25	3.15	2.71	1.8	8.95	7.95	6.95
221381CG	P8396	—	Black	—	Black	Black*	White	Wire	1	1.63	2.80	1.97	0.6	6.95	6.26	5.63
102111CG	XFR2410	F346X	Black	Yellow*	Red	Black*	White	Wire	2	2.41	2.80	1.99	1.5	8.95	8.09	7.25
221372CG	P-8662	F192X	Black	—	Black	Black*	White	Wire	1	2.14	3.16	2.27	2.3	11.95	10.95	9.19
112512CG	XFR242N	F229X	Black	—	Black	—	White	Wire	3	2.33	3.16	2.28	1.8	10.35	9.39	8.49
221364CG	P-8663	F193U	—	—	—	—	—	Lug	1	2.81	2.94	4.00	4.0	22.55	21.19	17.79
221410CG	P-8666	F226U	—	—	—	—	—	Lug	1	4.63	3.75	4.63	11.2	45.95	41.85	38.17
99653CG	XFR242	—	Red	—	Red	Blue	Yellow*	Wire	1	2.44	3.22	2.30	2.5	11.95	10.35	7.99
102103CG	XFR2520	F341X	Black	White*	Red	Orange	Black*	Wire	2	2.45	3.22	2.26	2.8	14.95	12.71	9.53
149796CG	XFR2820	F3185U	Black	Red*	Yellow	White	Black*	Wire	2	2.45	3.22	2.26	2.3	12.95	11.69	8.59

† Solder terminals

* Center tap

Blue Part No. = Limited Quantity Available

TRIAD

Split Bobbin Transformers

- High-pot tested @ 2500Vrms
- 6-pin
- UL recognized
- Primary: 115/230VAC, 50-60Hz



Part No.	Prod. No.	VA	Secondary		Dimensions H" x W" x L"	Pricing		
			Series	Parallel		1	10	100
628308CG	F24-1500	36	24VCT @ 1.5A	12V @ 3.0A	0.29x2.29x2.63	\$14.55	\$9.88	\$9.08
628316CG	F24-800	20	24VCT @ 0.8A	12V @ 1.6A	1.06x1.88x2.25	11.25	7.60	7.09

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RoHS compliant product

† This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

TRIAD

Low Frequency Current Sensing Transformer

Designed to monitor current in low frequency applications. May be used to monitor current from 0.1A to 30A @ frequencies from 50Hz to 400Hz.

- Turns ratio: primary to sense – 1:500
- Typical output: 110mV/amp
- Suggested burden resistor: 60Ω
- Constructed with UL recognized materials

- Hi-pot: 500V
- Sense DCR: 21Ω max.
- Primary DCR: 250μΩ max.



Part No.	Product No.	Description	1	10	100
627591CG	CSE187L	Current sensing transformer	\$2.09	\$1.81	\$1.66



Current Sensing Transformers

Current sense transformers are used to detect current passing through a conductor. These transformers are very reliable and operate effectively over the frequency range of 20kHz – 200kHz. Constructed of UL rated 130°C materials.



- Primary is inserted through hole in casing
- Rated primary current renders approximately 40°C temperature rise
- Arrow side of primary conductor has same polarity as pin #1

Part No.	Product No.	ET Vµsec Ref. 20kHz	Turns Count	Min. Ind. (mH)	DCR Max. (Ω)	Primary Arms	1	10	25
627621CG	CST306-1A	500	20	3.5	0.34	35.....	\$4.19	\$3.91	\$2.58
627647CG	CST306-2T	1000	100CT*	14	1.55	25.....	4.69	4.44	2.92

*CT = center tap

Jameco's Got the Docs



We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.



Chassis Mount — Quick Pack

- Hi-pot tested at 2,500Vrms
- Terminal size: 0.187" x 0.021"
- Mounting hole size: 3/16" • CT = center tap

Single Primary = 115V

Part No.	Product No.	Circuit	Pwr. (W)	Output	Dimensions (L" x W" x H")	Price		
						1	10	100
628771CG	F4-24	B	6	24VCT @ 0.25A	2.38 x 1.25 x 1.38	\$6.95	\$5.93	\$5.39
628893CG	F5-16	B	12	16VCT @ 0.8A	2.81 x 1.38 x 1.63	7.59	5.95	5.51
628922CG	F5-35	B	12	36VCT @ 0.35A	2.81 x 1.38 x 1.94	7.59	6.59	5.90
629079CG	F6-24	C	30	24VCT @ 1.25A	3.25 x 1.69 x 1.94	10.29	8.97	8.03
629061CG	F6-120	C	30	120VCT @ 0.25A	3.25 x 1.69 x 1.94	11.89	8.83	8.03
629132CG	F7-12	C	56	12.6VCT @ 4A	3.69 x 1.81 x 2.25	14.29	12.48	11.17
629167CG	F7-24	C	56	24VCT @ 2.4A	3.69 x 1.81 x 2.25	14.29	12.48	11.17
618687CG	F8-16	E	100	16VCT @ 6.25A	4.03 x 2.25 x 2.56	20.55	18.05	16.15
618695CG	F8-20	C	100	20VCT @ 5A	4.03 x 2.25 x 2.56	20.55	19.13	16.04
618708CG	F8-24	C	100	24VCT @ 4A	4.03 x 2.25 x 2.56	20.55	18.05	16.15
618716CG	F8-36	C	100	36VCT @ 2.8A	4.03 x 2.25 x 2.56	18.19	15.83	15.50

Dual Primary = 115/230V

Part No.	Product No.	Circuit	Pwr. (W)	Output	Dimensions (L" x W" x H")	Price		
						1	10	100
629191CG	FD4-12	D	6	12.6VCT @ 0.5A	2.38 x 1.25 x 1.38	\$8.45	\$7.35	\$6.58
629212CG	FD4-28	D	6	28VCT @ 0.2A	2.38 x 1.25 x 1.38	6.75	6.41	5.88
629280CG	FD5-16	D	12	16VCT @ 0.8A	2.81 x 1.38 x 1.63	9.35	8.14	7.29
629301CG	FD5-24	D	12	24VCT @ 0.5A	2.81 x 1.38 x 1.94	9.35	7.62	7.03
629319CG	FD5-28	D	12	28VCT @ 0.42A	2.81 x 1.38 x 1.63	10.79	8.01	7.29
629351CG	FD6-10	E	30	10VCT @ 3A	3.25 x 1.69 x 1.94	13.99	9.50	8.81
629378CG	FD6-20	E	30	20VCT @ 1.5A	3.25 x 1.69 x 1.94	13.99	9.50	8.81
629407CG	FD6-56	E	30	56VCT @ 0.54A	3.25 x 1.69 x 2.31	13.99	10.38	9.44
618775CG	FD8-24	E	100	24VCT @ 4A	4.03 x 2.25 x 2.56	21.65	20.14	17.73
618783CG	FD8-28	E	100	28VCT @ 3.6A	4.03 x 2.25 x 2.56	21.65	20.14	17.73

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend

New Sale Lower\$ QtySave



Gate Drive Transformers

- Used in all high frequency switching topologies to isolate control circuitry from line-connected switches
- Turn ratios of 1:1 and 1:1.5
- Easily standardized at operating frequencies of up to 200kHz



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See Complete Gate Drive Transformer Offering at www.Jameco.com/Prod/GateDriveTransformers

Class 1 Current Transformer

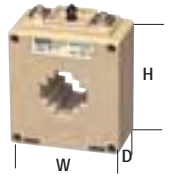
This series can be applied to test, control, display, and record the running of electrical equipment, and to protect the equipment against damage in the AC circuit.

- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Size: 2.95"W x 1.70"D x 3.36"H
- Weight: 1.1 lbs.

Includes: Mounting bracket and hardware

SALE

Part No.	Cross Ref. No.	Power	Ratio	1	10	100
174887CG	MSQ30	5VA	200A/5A; 5VA	\$3.89	\$3.54	\$3.21



Current Sensing Transformer

- Inductance: 5mH
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Terminating resistor: 50Ω
- Turns: 60
- Max. current: 300mA
- Sensitivity voltage (V_{out}): 1V
- Size: 0.7"W x 0.46"D x 0.8"H



Part No.	Cross Ref. No.	1	10	100
164718CG	MTC30101	\$2.15	\$1.95	\$1.75

Power Transformers

Chassis Mont — Single Secondary

- CT = center tap
- Connectors: leads
- Mounting holes: X type case – 3/16"; U type case – 13/64" x 3/8"



Part No.	Product No.	Primary Voltage	Secondary Voltage	Case Type	Dimensions (H" x W" x D")	Price		
						1	10	100
628463CG	F-313X	115/230	6.3V @ 0.6A	X	1.38 x 2.38 x 1.38	\$12.55	\$9.31	\$8.47
627719CG	F-113X	115	12V @ 0.15A	X	1.38 x 2.38 x 1.38	7.95	5.40	5.18
627727CG	F-114X	115	12V @ 0.7A	X	1.63 x 2.81 x 1.63	8.65	5.82	5.43
618450CG	F-221U	115	12V @ 8A	U	3.81 x 3.13 x 2.38	21.99	18.71	15.44
628818CG	F-44X	115	12.6VCT @ 2A	X	1.94 x 3.31 x 2.00	11.29	8.86	8.26
628287CG	F-225X	115	12.6V @ 4A	X	2.63 x 4.00 x 2.06	15.15	12.23	11.36
618370CG	F-182U	115	12.6VCT @ 6A	U	3.38 x 2.81 x 2.44	41.79	35.09	28.39
627743CG	F-116X	115	24VCT @ 0.2A	X	1.38 x 2.38 x 1.25	12.85	8.74	8.09
628560CG	F-345X	115/230	24VCT @ 1A	X	1.94 x 3.31 x 2.00	12.79	10.47	10.02
618548CG	F-260U	115	24VCT @ 6A	U	3.25 x 3.13 x 3.25	37.69	25.09	23.74
628720CG	F-40X	115	26.8VCT @ 1A	X	1.81 x 3.31 x 2.00	9.85	8.05	7.70
628359CG	F-270U	115	40VCT @ 1A	U	2.56 x 4.00 x 2.25	19.95	14.81	13.46

Chassis Mount — World Series

- High pot tested @ 4,000Vrms
- Primary: 115V/230V, 50/60Hz
- Mounting hole size: 13/64" x 3/8"
- CT = center tap
- Both primary and secondary coils may be connected as either series or parallel, but both must be used simultaneously



Part No.	Product No.	Pwr. (W)	Secondary		Dimensions (H" x W" x D")	Price		
			Series	Parallel		1	10	100
619022CG	VPS10-17500	175	10VCT @ 17.5A	5V @ 35A	3.75 x 3.13 x 2.81	\$33.49	\$25.83	\$23.40
619057CG	VPS16-8100	130	16VCT @ 8.1A	8V @ 16.2A	3.38 x 2.81 x 2.69	29.19	22.49	20.38



Chassis Mount — Control

- Hi-pot tested at 1,500Vrms
- Terminal: solder lugs
- Secondaries may be connected in series or parallel for expanded voltage and current ranges
- Commonly utilized in various electronics, electromagnetic, & electrical control applications



Part No.	Prod. No.	Pwr. (W)	Secondary		Case Type	Dimensions (H" x W" x D")	Price		
			Series	Parallel			1	10	100
618345CG	F-105Z	12	12VCT@1A	6V @ 2A	Z	2.38 x 2.88 x 1.25	\$15.15	\$14.41	\$13.06
618353CG	F-109U	192	24VCT@8A	12V @ 16A	U	4.29 x 3.44 x 3.56	48.19	42.91	37.65

PC Mount — World Series

- Primary: 115/230V; 50/60Hz
- Hi-pot tested at 4,000Vrms
- Both primary and secondary coils may be connected as either series or parallel, but both must be used simultaneously



Part No.	Product No.	Pwr. (W)	Secondary		Pin Diameter	Dimensions (H" x W" x D")	Price		
			Series	Parallel			1	10	100
630571CG	VPP10-1000	10	10VCT @ 1A	5V @ 2A	0.036" sq.	1.63 x 1.88 x 1.56	\$11.05	\$7.50	\$6.95
630580CG	VPP10-2000	20	10VCT @ 2A	5V @ 4A	0.036" sq.	1.63 x 2.25 x 1.88	13.45	9.12	8.45
630660CG	VPP16-310	5	16VCT @ 0.31A	8V @ 0.062A	0.025" sq.	1.38 x 1.63 x 1.31	9.85	6.69	5.94
630678CG	VPP20-1500	30	20VCT @ 1.5A	10V @ 3A	0.045" sq.	1.56 x 2.63 x 1.29	15.45	10.53	9.31
630723CG	VPP24-210	5	24VCT @ 0.21A	12V @ 0.42A	0.025" sq.	1.38 x 1.63 x 1.31	9.85	6.69	5.94

PC Mount — Flat Pack

- Primary: 115/230V, 50/60Hz
- Hi-pot tested at 2,000Vrms
- Split bobbin with side-by-side windings to reduce capacitance and eliminate the need for a static shield



Part No.	Product No.	Pwr. (W)	Secondary		Dimensions (H" x W" x L")	Price		
			Series	Parallel		1	10	100
629749CG	FP20-300	6	20VCT @ 0.3A	10V @ 0.6A	0.88 x 1.56 x 1.88	\$9.85	\$7.76	\$7.19
629773CG	FP24-250	6	24VCT @ 0.25A	12V @ 0.5A	0.88 x 1.56 x 1.88	9.85	7.76	7.19

PC Mount — Single Primary, Dual Secondary

- Primary: 115V, 50/60Hz
- Hi-pot tested at 1,500Vrms
- CT = center tap
- Mounting hole size: 3/16"



Type A



Type B



Type D

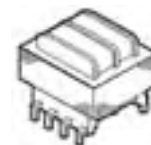
Part No.	Prod. No.	Case Type	Pwr. (W)	Secondary		Dimensions (H" x W" x L")	Price		
				Series (VCT@A)	Parallel (V@A)		1	10	100
627903CG	F-136P	B	1.5	116 @ 0.013	58 @ 0.026	1.29H x 1.39L	\$17.95	\$13.34	\$12.14
627997CG	F-149XP	A	1.5	12.6 @ 0.35	6.3 @ 0.7	1.44 x 2.38 x 1.70	12.79	9.50	8.64
627954CG	F-143XP	A	4.5	30 @ 0.15	15 @ 0.3	1.44 x 2.38 x 1.70	10.39	9.14	7.92
627962CG	F-144XP	A	4.5	54 @ 0.084	27 @ 0.168	1.44 x 2.38 x 1.70	11.35	8.81	8.47
627989CG	F-146XP	A	4.5	116 @ 0.033	58 @ 0.066	1.44 x 2.38 x 1.70	12.85	8.70	8.36
628130CG	F-168XP	D	4.5	32 @ 0.05	15 @ 0.195	1.44 x 2.38 x 1.70	13.35	9.92	9.03

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Power Transformers (Continued)

PC Mount — Split Pack

- Primary: 115/230V, 50/60Hz
- Hi-pot tested at 2,500Vrms
- CT = center tap
- PC terminal spacing for accurate placement



8-Pin

Part No.	Product No.	Pwr. (W)	Pins	Secondary		Dimensions (H" x W" x L")	Price		
				Series	Parallel		1	10	100
629976CG	FS16-070	1.1	8	16VCT @ 0.07A	8V @ 0.14A	0.94 x 1.13 x 1.38	\$8.29	\$5.46	\$5.00
629917CG	FS120-01	1.1	8	120VCT @ 0.01A	60V @ 0.02A	0.94 x 1.13 x 1.38	5.99	5.46	5.00
629888CG	FS10-250	2.5	8	10VCT @ 0.25A	5V @ 0.5A	0.81 x 1.13 x 1.38	7.45	5.82	5.39
627858CG	F12-200	2.5	6	12.6VCT @ 0.2A	6.3V @ 0.4A	0.81 x 1.13 x 1.38	7.29	4.94	4.58
628228CG	F20-120	2.5	6	20VCT @ 0.12A	10V @ 0.24A	0.81 x 1.13 x 1.38	6.29	5.40	4.75
628404CG	F28-85	2.5	6	28VCT @ 0.085A	14V @ 0.17A	0.81 x 1.13 x 1.38	7.29	4.94	4.58
628682CG	F36-65	2.5	6	36VCT @ 0.065A	18V @ 0.13A	0.81 x 1.13 x 1.38	6.29	5.49	4.91
630168CG	FS56-045	2.5	6	56VCT @ 0.045A	28V @ 0.09A	0.75 x 1.13 x 1.38	8.89	5.89	5.51
627786CG	F120-020	2.5	6	120VCT @ 0.02A	60V @ 0.04A	0.81 x 1.13 x 1.38	7.29	5.40	4.75
627891CG	F12-500	6	6	12.6VCT @ 0.5A	6.3V @ 1A	0.94 x 0.94 x 1.63	8.25	5.59	5.18
628244CG	F20-300	6	6	20VCT @ 0.3A	10V @ 0.6A	0.94 x 0.94 x 1.63	7.15	5.59	4.96
629950CG	FS12-1000	12	8	12.6VCT @ 1A	6.3V @ 2A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
629992CG	FS16-800	12	8	16VCT @ 0.8A	8V @ 1.6A	1.44 x 1.56 x 1.88	10.45	6.89	6.31
630011CG	FS20-600	12	8	20VCT @ 0.6A	10V @ 1.2A	1.44 x 1.56 x 1.88	10.45	6.89	6.31
630053CG	FS24-500	12	8	24VCT @ 0.5A	12V @ 1A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
630096CG	FS28-420	12	8	28VCT @ 0.42A	14V @ 0.84A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
630133CG	FS48-250	12	8	48VCT @ 0.25A	24V @ 0.5A	1.44 x 1.56 x 1.88	10.45	7.11	6.59
629001CG	FS56-220	12	8	56VCT @ 0.22A	28V @ 0.44A	1.44 x 1.56 x 1.88	8.15	7.11	6.37
628391CG	F28-700	20	6	28VCT @ 0.7A	14V @ 1.4A	1.44 x 1.56 x 1.88	11.25	8.36	7.61
627866CG	F12-2850	36	6	12.6VCT @ 2.85A	6.3V @ 5.7A	1.56 x 1.29 x 1.63	14.55	9.92	8.81
628084CG	F16-2250	36	6	16VCT @ 2.25A	8V @ 4.5A	1.56 x 1.29 x 1.63	10.09	9.56	8.76
628236CG	F20-1800	36	6	20VCT @ 1.8A	10V @ 3.6A	1.56 x 1.29 x 1.63	14.49	10.78	9.80
630037CG	FS24-1500	36	8	24VCT @ 1.5A	12V @ 3A	1.56 x 1.29 x 1.63	16.05	10.88	9.79
628640CG	F36-1000	36	6	36VCT @ 1A	18V @ 2A	1.56 x 1.29 x 1.63	11.49	10.87	10.25

PC Mount — Dual Primary, Dual Secondary

- Primary: 115/230V, 50/60Hz
- Hi-pot tested at 1,500Vrms
- Mounting hole size: 3/16" • CT = center tap



Type A



Type B

Part No.	Prod. No.	Case Type	Pwr. (W)	Secondary		Dimensions (H" x W" x L")	Price		
				Series	Parallel		1	10	100
628535CG	F-333P	B	1.5	30VCT @ 0.05A	15V @ 0.1A	1.29H x 1.29L	\$7.09	\$6.18	\$5.46
628631CG	F-359XP	A	10	24VCT @ 0.45A	12V @ 0.9A	1.63 x 2.81 x 1.88	6.59	5.74	5.06

Isolation/Medical

- Primary: 115/230VAC, 50/60Hz
- Hi-pot tested at 1,500Vrms
- Line cord, plug and receptacles are UL listed and verified to meet specifications



Part No.	Product No.	Pwr. (W)	Primary Voltage	Secondary Voltage	Connections	Dimensions (H" x W" x D")	Price		
							1	10	100
618943CG	N-66A	250	115/230	115V @ 2.17A	Leads	4.63 x 3.94 x 4.63	\$59.09	\$55.34	\$51.58

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International Power Cords

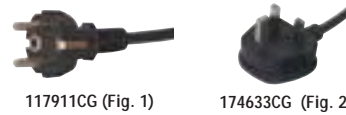
- 3-conductor detachable power cords
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- BSI: British Standard Institution

European Agency Approvals

Germany	VDE	
Austria	OVE	
Belgium	CEBEC	
Denmark	DEMKO	
Finland	FIMKO	
France	LCIE	
Netherlands	KEMA	
Norway	NEMKO	
Sweden	SEMKO	
Switzerland	SEV	

Fig. 3

Cord Configuration Chart – End 2



117911CG (Fig. 1)

174633CG (Fig. 2)

Cord Configuration Chart – End 1



A

Part No.	Cross Ref. No. *	Country	Agency Approvals	Cord Plug Fig.		Length	Cord Color	Conductors	Cord Type	Pricing			
				End 1	End 2					1	10	100	250
117911CG	PCVDE-6B	Europe	All in Fig. 3	A	1	6 ft.	Black	3/0.75mm ²	H05VVf	\$5.49	\$4.95	\$4.45	\$3.75
174633CG	21071H5182	UK/Ireland	BSI	A	2	8 ft.	Black	3/1.0mm ²	H05VVf	6.49	5.84	5.26	4.73

* Manufacturer may vary

Power Entry Filters and AC Receptacles

JAMECO
ValuePro

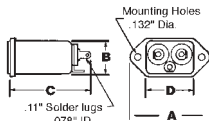


Fig. 1 (Solder Terminals)

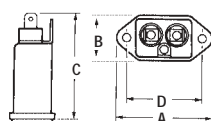


Fig. 2 (Fast-on Terminals)



Fig. 3 (210913CG)



Fig. 4 (16652CG)



Fig. 5 (218288CG)

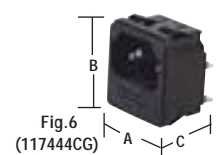


Fig. 6 (117444CG)

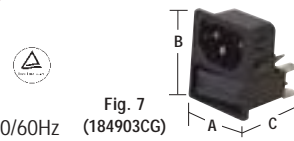


Fig. 7 (184903CG)



Fig. 8 (265527CG)



Fig. 9 (265527CG)



Fig. 10 (667454CG)



Fig. 11 (147109CG)

• Frequency: 50/60Hz

Part No.	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches)				Pricing			
									A	B	C	D	1	10	100	500
150615CG	03AC1	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	\$5.95	\$5.36	\$4.28	\$3.21
667462CG	YB06T1	Power entry filter, straight (flanged)	1	6	250	Fast-on	UL/CSA/VDE	0.26"	1.98	0.82	2.16	1.57	4.49	3.89	3.79	3.70
667438CG	YB03A1-A	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.26"	2.05	0.98	2.15	1.58	4.95	4.29	4.19	4.08
63132CG	06AE1	Power entry filter, straight (flanged)	2	6	250	Fast-on	UL/CSA/VDE	0.16"	1.96	0.88	2.06	1.58	6.95	6.29	5.65	5.09
16652CG	JR101	AC power inlet (male) flanged solder	4	10	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	.79	.71	.57	.41
218288CG	0708-1-CQ	AC power outlet (female) flanged	5	10	250	Fast-on	UL/CSA/VDE	0.189"	1.97	1.14	1.27	1.58	.35	.29	.23	.21
117444CG	0717	AC power inlet (male) w/ fused chamber (snap-in)	6	10	250	Fast-on	UL	0.187"	1.18	1.30	1.21	N/A	1.95	1.79	1.59	1.45
321621CG	WS-044A	AC power inlet (male) w/ fuse chamber & fuse (snap-in)	8	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29
667454CG	SM8301	Power entry filter, straight (flanged)	10	10	250	Fast-on	UL/CSA/VDE	0.25"	1.97	0.88	1.06	1.57	.52	.494	.44	.386

Other Manufacturers — Great Deals

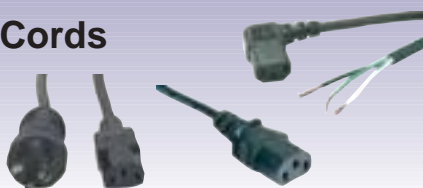
165016CG	SUP-J15G-E-2	Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	\$5.95	\$5.35	\$4.85	\$4.05
395647CG	2VK1	Power entry filter	9	2	250	Fast-on	UL/CSA/VDE	0.25"	2.81	0.91	3.10	N/A	6.95	6.05	5.49	5.22
210913CG	01GEEW3E	Power entry filter, straight (flanged)	3	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.36	4.28	3.21
147109CG	42R02	AC power inlet (male) snap-in	11	15	250	Fast-on	UL/CSA	0.25"	1.22	0.94	1.13	N/A	.65	.59	.51	.46
147900CG	P0707*	AC power inlet (male) flanged	4	15	250	Fast-on	UL/CSA	0.16"	1.97	0.88	1.09	1.58	.69	.62	.50	.37
184903CG	42R363152IOU	AC power inlet (male) w/ switch (snap-in)	7	10	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.05
265527CG	WS-044	AC power inlet (male) w/ fuse chamber (snap-in)	8	10	250	Fast-on	UL	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29

* Manufacturer may vary † Includes spare fuse holder – Fuse type 5mm x 20mm (250V)

Blue Part No. = Limited Quantity Available

More Power Cords

See pages
260 & 261



corcom Snap-In Power Entry Filter

- Frequency: 50/60Hz
- Current: 6.0A
- Voltage: 250VAC
- Connector block terminal
- Terminal size: 0.045"



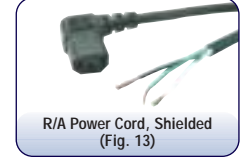
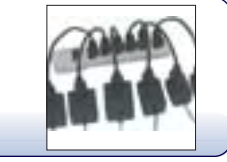
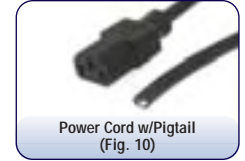
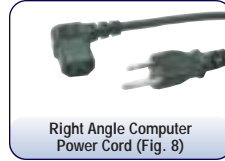
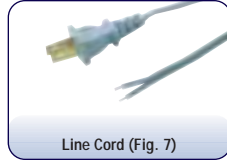
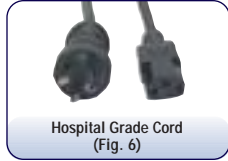
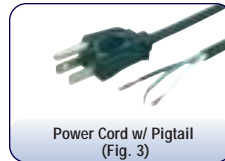
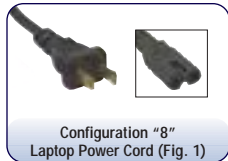
Part No.	Cross Ref. No.	A"	B"	C"	D"	1	10	100
611397CG	6J4	2.75	1.87	1.17	1.58	\$21.95	\$21.15	\$20.40

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General Purpose Power Cords

SALE

Quantity SAVE

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor "8" style power cord for laptops and power supplies

189587CG	VW-1	.30	1	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.37	\$2.10
355944CG	VW-1	.30	1	6'	Gray	18/2	SPT-2	2.05	1.84	1.48	1.11

2-conductor "D" style power cord for laptops and power supplies

200791CG	LL114039	.30	2	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.37	\$2.10
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3-conductor power cord with pigtail

279662CG	32V86S	.32	3	6'	Black	18/3	SVT	\$2.79	\$2.55	\$2.05	\$1.55
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3-conductor power supply cord (shielded)

190625CG	37805	.75	4	10'	Beige	18/3	SJT	\$3.49	\$3.14	\$2.51	\$1.88
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3-conductor power supply cord

192727CG	17501J	.64	4	10'	Black	18/3	SJT	\$3.95	\$3.56	\$2.84	\$2.13
249383CG	LL34977	.72	4	9'	Black	16/3	SJT	4.55	4.09	3.28	2.47

3-conductor computer power supply extension cord

527814CG	PWRCRG	.25	5	3'	Black	18/3	SJT	\$2.35	\$1.85	\$1.65	\$1.45
420224CG	10W1-02212	.53	5	12'	Black	18/3	SVT	3.89	3.02	2.87	2.73
319804CG	LR94903	.33	5	6'	Gray	18/3	SVT	4.15	3.74	2.99	2.24

3-conductor power cord w/hospital grade male (green dot)

265412CG	EXITOW	.70	6	10'	Gray	18/3	SJT	\$7.35	\$6.65	\$5.95	\$5.39
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Jameco ValuePro™ Power Cords

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor power cord with pigtail

152186CG	17106BG	.20	7	6'	Beige	18/2	SPT-2	\$1.29	\$1.16	\$.93	\$.73
124433CG	ST008	.16	7	6'	Black	18/2	SPT-2	1.15	1.03	.83	.77

2-conductor power cord with pigtail with strain relief

42041CG	17106	.25	7	6'	Black	18/2	SPT-2	\$1.15	\$1.03	\$.93	\$.78
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* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

† European standard insulation color code

Blue Part No. = Limited Quantity Available

Jameco ValuePro™ Power Cords (Continued)

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

3-conductor power cord with pigtail

38009CG	17237	.31	3	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29
37997CG	17236	.30	3	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
159409CG	17405B	.37	3	6'	Black	18/3	SJT	2.59	2.15	1.95	1.79
102007CG	17535B	.49	3	10'	Black	18/3	SVT	3.99	3.59	2.87	2.15
196285CG	LL40378	.80	3	10'	Black	16/3	SJT	3.85	3.19	2.89	2.76
100272CG	17629B	.88	3	9'	Black	14/3	SJT	4.59	4.29	3.79	3.59

3-conductor power supply cord (shielded)

213874CG	17660BG	.40	4	6'	Beige	18/3	SVT	\$3.59	\$3.25	\$2.95	\$2.65
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3-conductor power supply cord

103747CG	17248	.34	4	6'	Gray	18/3	SVT	\$3.89	\$3.50	\$2.80	\$2.49
38041CG	17249	.37	4	6'	Beige	18/3	SVT	3.49	3.15	2.51	1.88
38050CG	17250	.36	4	6'	Black	18/3	SVT	3.75	3.29	2.87	2.12
132118CG	17500	.44	4	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29
117583CG	17502	.37	4	8'	Gray	18/3	SVT	3.49	3.14	2.51	1.88
171096CG	17758	.60	4	8'	Black	18/3	SJT	3.95	3.56	3.17	2.85
102023CG	17501V	.55	4	10'	Black	18/3	SVT	3.95	3.39	3.09	2.79
163361CG	6952299	.33	4	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91

3-conductor right-angle power supply cord

117356CG	8120-6177	.41	8	6'	Gray	18/3	SVT	\$3.95	\$3.56	\$3.19	\$2.88
38076CG	17250R	.54	8	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55

3-conductor computer power supply extension cord

28468CG	PEC	.36	5	6'	Black	18/3	SVT	\$3.89	\$3.50	\$2.80	\$2.10
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3-conductor power cord w/hospital grade male (green dot)

132011CG	17006G	.82	6	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16
115078CG	17006	.84	6	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55

3-conductor computer monitor power adapter cord

177447CG	MPC1	.16	9	1'	Black	18/3	SVT	\$2.95	\$2.66	\$2.12	\$1.59
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3-conductor power cord (power strip saver)

199777CG	PSS-1	.16	11	1'	Black	18/3	SVT	\$1.69	\$1.55	\$1.39	\$1.25
208338CG	SY0527BG	.16	11	1'	Beige	18/3	SVT	1.69	1.45	1.09	1.03

3-conductor power cord ("Y" type power strip saver)

208347CG	GPR-2006	.38	12	2'	Black	18/3	SVT	\$2.89	\$2.75	\$2.59	\$2.46
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SALE

Jameco ValuePro™ Power Cords (Continued)



AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

Part No.	Volex X-Ref.	Fig. (p.260)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing			
							1	10	50	100

3-conductor power cord w/ pigtail, NEMA 5-15P plug, PVC, black

38025CG	17238	3	—	8'	18/3	SVT	\$3.29	\$2.75	\$2.45	\$2.25
339688CG	40407	3	290B	8'	18/3(16x30)	SJT	2.49	1.89	1.77	1.71

3-conductor power cord w/ pigtail, NEMA 5-15P plug, rubber, black

339830CG	17412	3	290B	9'	18/3(16x30)	SJT	\$4.99	\$4.55	\$4.15	\$3.75
339696CG	17409	3	290B	8'	18/3(16x30)	SJO	5.75	5.59	4.49	3.99

3-conductor power cord w/ pigtail, NEMA 5-15P plug, shielded, black

339899CG	17741	3	290B	9'10"	18/3(41x34)	SVT	\$7.75	\$6.95	\$5.55	\$4.19
166924CG	17516	3	—	6'7"	14/3	SJT	4.15	3.75	3.39	3.05
339901CG	17517	3	173	9'10"	14/3(41x30)	SJT	5.99	5.39	4.59	3.69

3-conductor power cord w/ pigtail, NEMA 5-15P plug, unshielded, black

339733CG	17534	3	290B	6'7"	18/3(41x34)	SVT	\$2.35	\$1.74	\$1.65	\$1.60
339741CG	17512	3	290B	6'7"	18/3(41x34)	SJT	2.35	2.15	1.95	1.75
339872CG	17513	3	290B	9'10"	18/3(41x34)	SJT	3.25	2.89	2.65	2.39
339881CG	17515	3	290B	9'10"	16/3(65x34)	SJT	3.45	3.35	3.25	3.15

3-conductor power cord w/ pigtail, NEMA, PVC, unshielded, gray

173809CG	17405	3	—	6'	18/3	SJT	\$2.35	\$2.15	\$1.89	\$1.59
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3-conductor power cord w/ pigtail, shielded, black

339995CG	17751	13	910	6'7"	18/3(41x34)	SVT	\$3.65	\$3.45	\$3.25	\$3.09
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3-conductor power cord w/ pigtail, unshielded, black

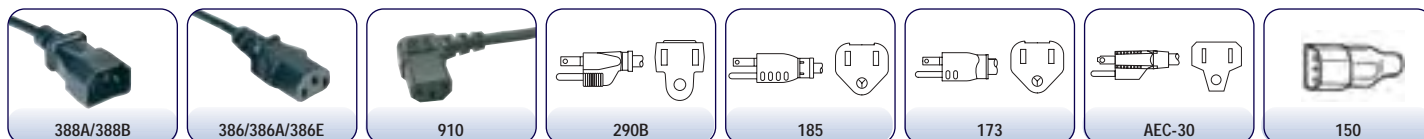
339987CG	17518	10	386A	6'7"	18/3(41x34)	SJT	\$3.29	\$2.79	\$2.55	\$2.29
340005CG	17520	10	386E	6'7"	18/3(26x30)	SJT	2.69	2.65	2.60	2.55
340056CG	17537	13	910	9'10"	18/3(41x34)	SJT	3.75	3.39	2.69	2.05
340064CG	17519	10	386E	9'10"	18/3(41x34)	SJT	2.99	2.85	2.69	2.55
340072CG	17521	10	386E	9'10"	16/3(26x30)	SJT	3.85	3.69	3.59	3.39
340099CG	17539	13	910	9'10"	16/3(26x30)	SJT	4.49	4.27	4.05	4.04

3-conductor power cord, "Y" twin end, black

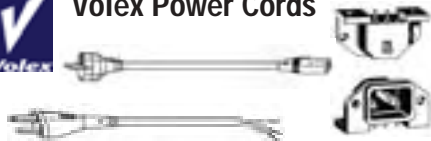
340566CG	17268A	14	150/250A	6'	18/3(41x34)	SJT	\$7.85	\$5.84	\$5.55	\$5.29
340531CG	17269A	14	150/250A	10'	18/3(41x34)	SJT	8.59	6.45	6.15	5.85
340540CG	17271A	14	150/250A	10'	16/3(26x30)	SJT	9.59	7.19	6.85	6.49

* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service; SJO (Round): Junior service with oil-resistant jacket † Temp. rating: 105°C Blue P/N. = Limited Quantity Available

Plug Detail – Industry Standard Designs



Volex Power Cords



♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Type	Length	Feature	AWG Stranding	O.D.	Rating	Color	1	10	100
481908CG	3-conductor♣ midcord	8'	Plug/connector	18 (41 x 34)	0.315"	10A, 125V	Gray	\$7.29	\$6.54	\$6.21
481916CG	Extension♣	10'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	8.85	8.46	8.07
481924CG	Extension♣	8'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	7.65	7.15	6.66
481932CG	2-conductor♣	2'	Connector	18 (41 x 34)	11 x 0.22	1A, 250V	Black	1.45	1.36	1.27
481941CG	International♣	2 meter	Plug/connector	H05VV3G 1mm ²	—	10A	Black	4.75	4.53	4.31
481959CG	3-conductor♣	7'6"	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	4.45	4.16	3.87

Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!

Lead Acid Batteries

- Sealed
- UL approved
- Rechargeable
- Two-year warranty



264014CG



264031CG



264049CG



264057CG



264065CG



264073CG

Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
264014CG	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$8.99	\$7.89
317024CG	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	14.69	12.75
318941CG	LA-TY-12-.8	12	0.8	—	—	—	—	9" wire w/o connector	3.8 x 1.0 x 2.4	0.8	13.79	13.15
318844CG	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	16.09	14.59
264031CG	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	15.39	14.59
318924CG	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	16.19	14.69
264049CG	TY-12-4.5	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	18.15	16.73
264057CG	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	18.15	16.21
264065CG	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	30.65	28.25
264073CG	TY-12-18	12	18.0	LCR12V18BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	32.85	28.15
318852CG	LA-TY-12-35	12	35.0	—	—	—	—	Quick connect 0.644"	7.6 x 5.1 x 6.3	27.6	47.79	41.69

Automatic Battery Chargers

- Safely charge and maintain lead acid batteries without supervision
- High frequency MOSFET switching design
- Multi-stage charging circuit prevents batteries from overcharging
- Extends battery life
- Analog amp meter
- Input voltage: 98 to 132VAC @ 50/60Hz
- Output banks: 3
- Short-circuit, overload, and reverse polarity protection



673416CG

Part No.	Product No.	Output Volt. DC @ Current	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
673416CG	SEC-1215A	13.5V @ 15A	8.5 x 8.4 x 3.3	4.8	\$141.55	\$134.49	\$127.75
673424CG	SEC-1230A	13.5V @ 30A	10.8 x 8.4 x 3.3	6.4	236.55	224.75	213.49
673432CG	SEC-2415A	27V @ 15A	10.8 x 8.4 x 3.3	6.4	236.55	224.75	213.49

Eveready® Energizer® Alkaline Batteries



198731CG



215845CG



198707CG



198715CG



Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size	1	10
198731CG	9-volt	\$1.89	\$1.81
215845CG	D	1.12	1.08

- Prepackaged: order in increments of 4

Part No.	Size	4	40	100
198707CG	AA	\$.64	\$.62	\$.61
198715CG	AAA	.49	.44	.43

NiCd/NiMH Charger

Universal battery charger for AAA, AA, C, D and "9V" cells (batteries not included).

- Recharge batteries singly or as a group
- Automatic charging current selection for different sizes of batteries
- Fast charging in the specified period with an automatic switch for trickle charge
- LED lamp to indicate proper charging
- Built-in IC timer control



Part No.	Description	1	5	10
231132CG	Universal charger 	\$17.09	\$15.55	\$15.10

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.



231095CG



231087CG



231116CG



231124CG



231108CG

NiMH Batteries

Part No.	Description	1	10	25	100
231095CG	2x AAA, 600mAh	\$6.95	\$6.25	\$5.65	\$5.05
231087CG	4x AA, 1600mAh	13.95	12.55	11.29	10.19
231116CG	2x C, 3000mAh	12.49	11.24	10.12	9.11
231124CG	2x D, 9000mAh	17.99	16.19	12.95	10.96
231108CG	1x "9V", 150mAh	8.39	7.65	6.95	6.85

Silver Oxide, Zinc Chloride & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Silver Oxide

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
140783CG	357	1	Button	1.55	1600	0.454"Dia.	\$1.75	\$1.49	\$1.25



Fig. 1



Fig. 2

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095CG	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"H	\$1.25	\$.99	\$.79



Fig. 3

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
249181CG	LR031.5V	3	AAA	1.5	—	1.7"L x 0.40"Dia.	\$1.05	\$.95	\$.83
150965CG	Rayovac 840	4	—	4.5	600	1.14"L x 0.73"W x 0.96"H	9.95	8.99	8.06
198791CG	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	2.85	2.55	2.29



Fig. 4

Committed to You

We're committed to providing you with the best service in the industry.

JAMECO ReliaPro

Quantity SAVE

Battery Holders

SALE

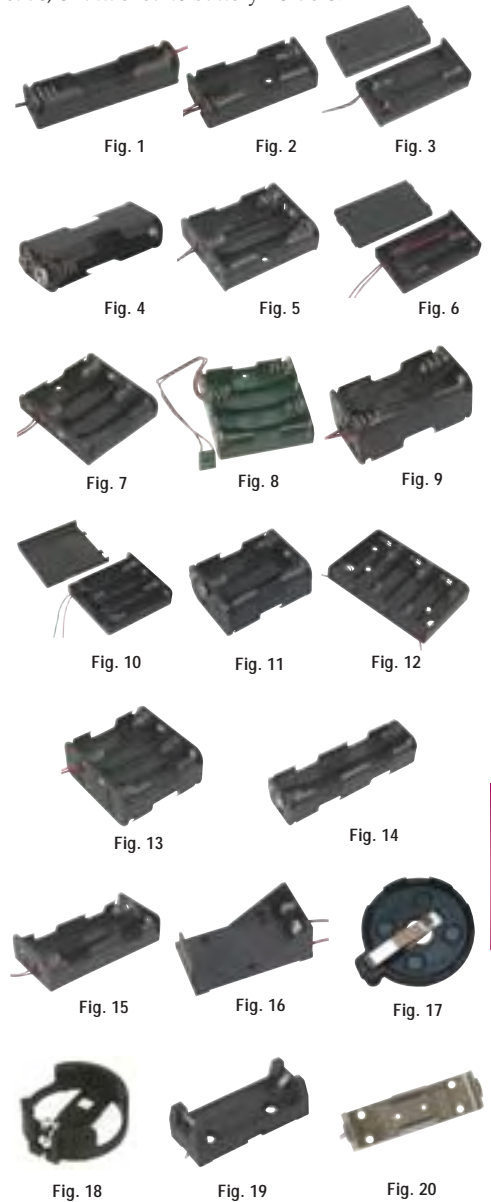
A Jameco EXCLUSIVE

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071CG	BH-311-2A	1	1-AA	Wires	Single		\$.69	\$.62	\$.56	\$.46
216080CG	BH-321-2A	2	2-AA	Wires	Single		.69	.62	.56	.50
216098CG	BH-321-4A	2	2-AA	Wires	Single	With mounting tabs	.59	.53	.42	.32
216101CG	SBH-321-2A	3	2-AA	Wires	Single	With cover, no switch	.59	.53	.42	.32
216119CG	SBH-321-1AS	3	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216127CG	BH-322-1B	4	2-AA	Snaps	Dual		.59	.53	.42	.315
216135CG	BH-331-A	5	3-AA	Wires	Single		.89	.79	.72	.65
216143CG	SBH-331-AS	6	3-AA	Wires	Single	With cover and switch	.99	.79	.71	.53
216151CG	BH-341-2A	7	4-AA	Wires	Single		.99	.89	.84	.79
105857CG	* 8	8	4-AA	Wires	Single	Wires with connector	.89	.80	.59	.443
216178CG	BH-343-1A	9	4-AA	Wires	Dual		.65	.55	.47	.35
216186CG	SBH-341-1AS	10	4-AA	Wires	Single	With cover and switch	1.09	.89	.85	.75
216194CG	BH-341-2B	7	4-AA	Snaps	Single		.49	.39	.36	.32
216207CG	BH-343-1B	9	4-AA	Snaps	Dual		.39	.35	.31	.28
216215CG	BH-363-A	11	6-AA	Wires	Dual		.89	.80	.72	.65
216223CG	BH-364-A	12	6-AA	Wires	Single		.95	.85	.69	.51
216231CG	BH-363-B	11	6-AA	Snaps	Dual		.99	.75	.69	.65
216240CG	BH-383-A	13	8-AA	Wires	Dual		1.09	.98	.78	.59
216258CG	BH-382-B	14	8-AA	Snaps	Dual		1.19	.99	.89	.85
216267CG	BH-383-B	13	8-AA	Snaps	Dual		1.19	.99	.86	.64
216274CG	BH-411-1A	1	1-AAA	Wires	Single		.49	.38	.36	.35
216282CG	BH-421-1A	2	2-AAA	Wires	Single		.59	.53	.48	.43
216291CG	SBH-421-AS	3	2-AAA	Wires	Single	With cover and switch	.65	.59	.47	.35
216303CG	BH-431-1A	5	3-AAA	Wires	Single		.69	.62	.56	.49
216311CG	SBH-431-1AS	6	3-AAA	Wires	Single	With cover and switch	.79	.69	.59	.49
216320CG	BH-441-1A	7	4-AAA	Wires	Single		.55	.49	.45	.41
216338CG	SBH-441-AS	10	4-AAA	Wires	Single	With cover and switch	1.25	1.12	.90	.68
216346CG	BH-211-A	1	1-C	Wires	Single		.55	.50	.40	.30
216354CG	BH-221-A	2	2-C	Wires	Single		1.19	1.07	.86	.65
216362CG	BH-242-1A	15	4-C	Wires	Single		1.39	1.29	1.09	.99
216371CG	BH-111-1A	1	1-D	Wires	Single		.69	.59	.54	.49
216389CG	BH-121-1A	2	2-D	Wires	Single		.99	.89	.71	.53
216397CG	BH-121-1B	2	2-D	Snaps	Single		.39	.35	.30	.28
216400CG	BH-142-A	15	4-D	Wires	Single		1.19	1.07	.96	.72
216418CG	BH-143-1A	7	4-D	Wires	Single		1.15	.89	.81	.74
216426CG	BH-9V-A	16	1-9V	Wires	Single		.79	.69	.64	.59
216434CG	BH-511-1A	1	1-N	Wires	Single		.29	.24	.22	.20
38543CG	2S2325	17	1-CR2354	PC Mount	Coin cell		1.10	.99	.89	.66
			or 2-CR2325							
355434CG	17002-00603	18	1-CR2032	PC Mount	Coin cell		.63	.58	.49	.47
Other Manufacturers — Great Deals										
644009CG	1026	17	2-CR2016	PC Mount	Coin cell		\$.77	\$.69	\$.55	\$.42
237315CG	1029	19	1-2/3AA	PC Mount	Single		.59	.53	.48	.43
236996CG	103	17	1-CR2032	PC Mount	Coin cell		.99	.85	.69	.55
643954CG	139	20	1-AA	Tabs	Single		.63	.56	.51	.41

* Battery holder used in many personal computers

Blue Part No. = Limited Quantity Available



Compact Battery Tester

Simply lift the swivel arm of this battery tester and place your battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V and button cell batteries.

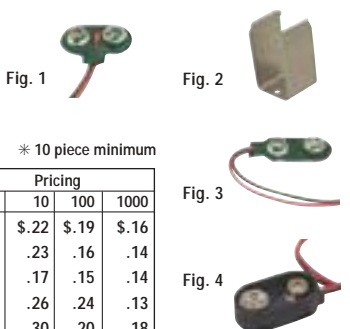


Part No.	Description	1	5
239556CG	Compact battery tester	\$4.49	\$3.99

"9-Volt" Battery Snaps and Clip

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225" • Female inner dia. = 0.215"

Blue Part No. = Limited Quantity Available



Part No.	Fig.	Description	Dimensions (in.)			Pricing			
			L	W	H	1	10	100	1000
11279CG	1	3", 26 AWG, 6 prong battery snap	1.0	.50	—	\$.25	\$.22	\$.19	\$.16
105793CG	2	Battery holder clip	.63	.71	1.2	.28	.23	.16	.14
109153CG	3	6", 26 AWG, 6 prong battery snap	1.0	.50	—	*.17	.15	.14	.13
101469CG	3	10", 26 AWG, 6 prong battery snap	1.0	.50	—	.28	.26	.24	.13
216451CG	4	6", 26 AWG, 6 prong battery snap	1.0	.50	—	.34	.30	.20	.18

* 10 piece minimum

See our extensive kit selection. Now with complete details for each item, on pages 335-341.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Battery Packs

Save 10% or more on most batteries!



Color Code Legend			
New	Sale	Lower\$	QtySave

JAMECO ReliaPro

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Rechargeable Battery Packs

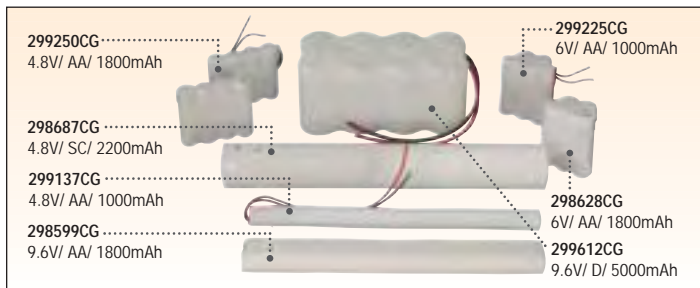
SALE

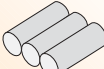


Special
Sale All Battery
Packs 10% Off.
Limited Time


Jameco ReliaPro™ rechargeable battery packs are available in many configurations and capacities. Each series-connected pack is available with 6" lead wires or 0.125"W x 0.4"L solder tab hook-ups. Available in economical NiCd and powerful NiMH compositions.



- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)
- Blue Part No. = Limited Quantity Available

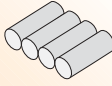

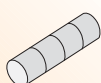
2.4 Volts				Solder Tabs					Lead Wires					
				Cell Size	Type	mAh	Jameco Part No.	Pricing			Jameco Part No.	Pricing		
								1	10	25		1	10	25
	AA	NiCd	700	298097CG	\$3.45	\$3.15	\$2.83	298935CG	\$4.79	\$4.69	\$4.55			
	AA	NiCd	1000	298337CG	4.79	4.35	3.89	299233CG	10.15	9.69	9.19			
	AA	NiMH	1800	298484CG	8.45	7.65	6.85		299381CG	9.29	8.45	7.69		
	SC	NiCd	2200	298636CG	9.29	8.79	8.35		299532CG	18.55	16.89	15.33		
	D	NiCd	5000	298783CG	18.35	16.65	15.12							
	AA	NiCd	700	298214CG	\$3.15	\$2.85	\$2.56	298960CG	\$4.25	\$3.85	\$3.47			
	AA	NiCd	1000	298361CG	4.85	4.25	3.19	299111CG	5.89	5.69	5.45			
	AA	NiMH	1800	298513CG	6.85	6.25	5.68	299268CG	8.65	7.85	7.12			
	SC	NiCd	2200	298661CG	9.29	8.79	8.39	299410CG	10.15	9.69	9.25			
	D	NiCd	5000	298812CG	22.19	19.99	17.79	299567CG	18.55	16.89	15.33			


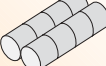


3.6 Volts				Solder Tabs				Lead Wires							
				Jameco Part No.			Pricing			Jameco Part No.			Pricing		
							1	10	25				1	10	25
	AA	NiCd	700	298193CG	\$5.55	\$5.29	\$4.89	299090CG	\$8.39	\$7.69	\$7.05				
	AA	NiCd	1000	298345CG	7.25	6.55	5.85								
	AA	NiMH	1800					299241CG	11.59	10.59	9.39				
	SC	NiCd	2200	298644CG	10.99	9.89	8.89	299399CG	11.85	10.75	9.75				
	D	NiCd	5000	298791CG	24.85	22.59	20.53	299541CG	25.65	23.29	21.16				
	AA	NiCd	700	298222CG	\$5.55	\$5.29	\$4.69	298978CG	\$5.95	\$5.39	\$4.89				
	AA	NiCd	1000	298370CG	5.15	4.65	4.22	299129CG	6.75	6.15	5.58				
	AA	NiMH	1800	298521CG	9.29	8.79	8.39								
	SC	NiCd	2200	298679CG	10.99	9.89	8.89	299428CG	11.85	10.75	9.75				
	D	NiCd	5000	298821CG	24.85	22.59	20.53	299575CG	25.65	23.29	21.16				
	AA	NiCd	700	298302CG	\$4.89	\$4.45	\$4.01	299057CG	\$5.15	\$4.99	\$4.70				
	AA	NiCd	1000	298450CG	6.05	5.49	4.99	299209CG	7.19	6.55	5.85				
	AA	NiMH	1800	298601CG	9.69	8.85	8.00	299356CG	11.39	10.35	9.40				
	SC	NiCd	2200	298759CG	11.55	10.49	9.52	299508CG	12.35	11.25	10.19				
	D	NiCd	5000	298901CG	29.29	26.65	24.20	299655CG	27.39	24.89	22.63				

6.0 Volts		Solder Tabs				Lead Wires					
		Cell Size	Type	mAh	Pricing			Jameco Part No.	Pricing		
					1	10	25		1	10	25
	AA	NiCd	700				Jameco Part No.				
	AA	NiCd	1000	298476CG	\$10.09	\$9.09	\$8.19	299073CG	\$9.25	\$8.05	\$7.69
	AA	NiMH	1800	298628CG	13.29	12.09	10.97	299225CG	11.89	9.95	9.05
	AA	NiMH	1800	298775CG	16.89	14.39	12.95	299372CG	17.75	15.29	14.59
	SC	NiCd	2200					299524CG	17.75	15.19	13.79
	D	NiCd	5000					299680CG	48.39	41.25	39.19

				Solder Tabs				Lead Wires			
	Cell Size	Type	mAh	Jameco Part No.	Pricing			Jameco Part No.	Pricing		
					1	10	25		1	10	25
	AA	NiCd	700	298257CG	\$8.35	\$7.55	\$6.86	299006CG	\$11.45	\$10.35	\$9.49
	AA	NiCd	1000	298409CG	14.39	12.95	11.65	299153CG	15.25	13.75	12.45
	AA	NiMH	1800					299305CG	19.09	17.25	15.59
	SC	NiCd	2200	298708CG	20.79	18.69	16.85	299452CG	18.49	16.85	15.28
D	NiCd	5000	298855CG	49.75	45.25	41.15	299604CG	49.99	45.45	41.30	
	AA	NiCd	700	298281CG	\$8.35	\$7.59	\$6.87	299031CG	\$9.09	\$8.25	\$7.49
	AA	NiCd	1000	298433CG	11.35	10.29	9.34				
	AA	NiMH	1800	298581CG	18.25	16.39	14.75	299330CG	19.09	17.25	15.59
	SC	NiCd	2200	298732CG	20.79	18.69	16.85				
	D	NiCd	5000	298880CG	49.85	45.35	41.20	299639CG	50.15	45.55	41.40

4.8 Volts				Solder Tabs				Lead Wires							
	Cell Size	Type	mAh	Jameco Part No.			Pricing			Jameco Part No.			Pricing		
					1	10	25		1	10	25		1	10	25
	AA	NiCd	1000							299102CG	\$10.45	\$9.49	\$8.59		
	AA	NiMH	1800	298505CG	\$13.59	\$12.89	\$11.99			299250CG	14.39	13.75	13.09		
	SC	NiCd	2200	298652CG	13.89	12.49	11.25			299401CG	14.75	13.35	12.09		
	D	NiCd	5000	298804CG	31.39	28.55	25.93			299559CG	32.19	29.25	26.58		
	AA	NiCd	700	298249CG	\$5.55	\$5.05	\$4.59			298994CG	\$6.35	\$5.75	\$5.22		
	AA	NiCd	1000	298396CG	7.65	6.95	6.28								
	AA	NiMH	1800	298548CG	13.55	12.85	11.95								
	SC	NiCd	2200	298695CG	13.89	12.25	11.25			299444CG	12.65	11.49	10.43		
	D	NiCd	5000	298847CG	31.29	28.45	25.84			299591CG	32.05	29.15	26.48		
	AA	NiCd	700	298231CG	\$5.65	\$5.09	\$4.63			298986CG	\$6.35	\$5.79	\$5.25		
	AA	NiCd	1000	298388CG	7.59	6.89	6.25			299137CG	8.35	7.55	6.86		
	AA	NiMH	1800	298530CG	9.85	8.99	8.14			299284CG	12.19	11.09	10.07		
	SC	NiCd	2200	298687CG	13.89	12.49	11.25			299436CG	14.75	13.35	12.09		
	D	NiCd	5000	298839CG	39.99	35.99	32.39			299583CG	32.15	29.25	26.55		

9.6 Volts				Solder Tabs				Lead Wires			
				Jameco Part No.	Pricing			Jameco Part No.	Pricing		
					1	10	25		1	10	25
	AA	NiCd	700	298265CG	\$11.09	\$10.09	\$9.14	299014CG	\$14.95	\$13.49	\$12.25
	AA	NiMH	1800					299313CG	24.55	22.15	20.05
	SC	NiCd	2200	298716CG	27.75	24.95	22.45	299461CG	28.59	25.79	23.29
	D	NiCd	5000	298863CG	66.35	60.29	54.80	299612CG	80.59	72.59	70.89
	AA	NiCd	700	298290CG	\$8.65	\$7.89	\$7.14	299049CG	\$10.99	\$9.89	\$8.89
	AA	NiCd	1000	298441CG	10.75	9.75	8.86	299196CG	14.49	13.09	11.89
	AA	NiMH	1800	298599CG	16.69	15.15	13.77	299348CG	22.09	19.99	18.05
	SC	NiCd	2200	298741CG	21.99	19.79	17.79	299495CG	22.89	20.69	18.69
	D	NiCd	5000	298898CG	46.25	42.05	38.19	299647CG	57.85	52.15	49.55

	AA	NiCd	700	298311CG	\$5.15	\$4.69	\$4.26	299022CG	\$6.35	\$5.75	\$5.23
	AA	NiCd	1000	298468CG	7.69	6.99	6.35	299170CG	8.35	7.59	6.89
	AA	NiMH	1800	298610CG	11.95	10.85	9.86	299321CG	14.39	13.75	13.09
	SC	NiCd	2200	298767CG	12.95	11.75	10.67	299479CG	14.75	13.35	12.09
	D	NiCd	5000	298919CG	34.45	31.35	28.46	299621CG	40.89	36.85	33.25
	AA	NiCd	700					299065CG	\$6.29	\$5.75	\$5.20
	AA	NiCd	1000					299217CG	8.75	7.95	7.21
	AA	NiMH	1800								
	SC	NiCd	2200					299516CG	16.09	14.55	13.19
	D	NiCd	5000					299663CG	34.19	31.09	28.24

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Lithium, Lithium Ion and NiCd Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

SALE

Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22



Fig. 23



Fig. 24



Fig. 25



Fig. 26



Fig. 27

Lithium & Lithium Ion

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011CG	CR1/3N	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	\$2.45	\$2.08	\$1.56
240258CG	CR123A	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.65	2.45	2.35
33371CG	TL5101P	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398CG	TL5104P	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	5.95	5.49	5.19
146114CG	TL2100S	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
673627CG	FBL414/F90	—	Coincell	2	1	Vertical PC mount	0.19"Dia x 0.07"Thick	1.49	1.29	.99
240186CG	CR1616	—	Coin Cell	3	55	Clock/memory/watch	0.07"Dia. x 0.61"Th.	.35	.32	.29
240207CG	CR2016	—	Coin Cell	3	75	Clock/memory/watch	0.07"Dia. x 0.79"Th.	.40	.37	.29
240215CG	CR2025	—	Coin Cell	3	150	Clock/memory/watch	0.10"Dia. x 0.78"Th.	.29	.27	.26
11789CG	CR2325	6	Coin Cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Th.	1.65	1.47	1.25
14162CG	CR2032	—	Coin Cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Th.	1.25	1.12	.94
689071CG	DL2450	6	Coin Cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Th.	2.95	2.59	2.39
673635CG	CA1/2AA	—	1/2 AA	3	950	Barrel with leads	1.0"L x 0.58"Dia.	1.79	1.59	1.35
673601CG	NBL621/F9DE	—	Coincell	2	4	Vertical PC mount	0.27"Dia x 0.10"Thick	1.79	1.59	1.35
126754CG	TL5101S	7	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	6.95	6.29	5.65
240266CG	ER14250	8	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898CG	ER14250	9	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.29	4.11	3.90
263978CG	ER14335	9	Sub-AA	3.6	1450	With axial leads	1.30"L x 0.55"Dia.	4.79	4.62	4.36
240282CG	ER14335	10	Sub-AA	3.6	1450	Consumer tip	1.30"L x 0.55"Dia.	3.99	3.63	3.30
240303CG	ER14505	11	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.19	4.85	4.55
263935CG	ER14505	12	AA	3.6	2100	With solder tabs	2.00"L x 0.55"Dia.	4.99	4.75	4.52
240320CG	ER17335	13	Sub-A	3.6	1450	Consumer tip	1.30"L x 0.67"Dia.	4.49	4.05	3.01
263986CG	ER26500	—	C	3.6	8500	With axial leads	2.00"L x 1.02"Dia.	12.95	12.29	11.59
240160CG	ER26500	14	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
263994CG	ER34615	—	D	3.6	16,500	With axial leads	2.40"L x 1.34"Dia.	15.35	13.85	12.45
240151CG	ER34615	15	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95
244646CG	UR18650H1	16	—	3.6	2200	Flat top lithium ion (rechargeable)	2.60"L x 0.71"Dia.	17.55	15.79	14.21

NiCd – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244486CG	AA-600	17	AA	1.2	600	Flat top	1.90"L x 0.55"Dia.	\$1.15	\$1.05	\$0.95
244507CG	AA-1000	17	AA	1.2	1000	Flat top	1.90"L x 0.55"Dia.	1.85	1.67	1.52
261657CG	AA-700-CT	18	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	1.37	1.25	.96
244515CG	AA-1000-CT	18	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
244427CG	4/5A-1100	19	4/5A	1.2	1100	Flat top	1.70"L x 0.65"Dia.	1.40	1.33	1.28
244574CG	SC-1500	20	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.15	1.98	1.87
244654CG	SC-1900	20	Sub-C	1.2	1900	Flat top	1.70"L x 0.89"Dia.	3.69	3.23	3.08
244451CG	4/5SC-1250	—	4/5SC	1.2	1250	Flat top	1.30"L x 0.89"Dia.	3.15	2.82	2.59
244961CG	C-2500HT	21	C	1.2	2500	Flat top, high temperature	1.90"L x 1.00"Dia.	3.75	3.38	3.07
244531CG	C-2500-CT	22	C	1.2	2500	Consumer tip	1.90"L x 1.00"Dia.	4.65	4.19	3.77
244347CG	1/2D-2200	23	1/2 D	1.2	2200	Flat top	1.40"L x 1.30"Dia.	3.89	3.50	3.15
244566CG	2/3D-2800	—	2/3 D	1.2	2800	Flat top	1.70"L x 1.30"Dia.	3.85	3.48	3.17
244419CG	3/2D(F)-8000	24	F	1.2	8000	Flat top	3.45"L x 1.30"Dia.	11.49	10.45	9.48
126720CG	351FT	25	—	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116CG	3/V60R	26	—	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.75	3.39	3.05
101653CG	NA101-1	27	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95

⚡ Blue Part No. = Limited Quantity Available

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If you're not completely satisfied with your purchase, simply
return the product within 30 days for a refund or exchange.
Details on page 343.

Save 10% or more on most batteries!

NiMH Batteries



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

NiMH - Rechargeable

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244785CG	5/4AAA-750	1	5/4 AAA	1.2	750	Flat top	2.00"L x 0.40"Dia.	\$2.29	\$2.11	\$2.05
261665CG	AAA-700FT	2	AAA	1.2	700	Flat top	1.70"L x 0.40"Dia.	2.25	1.99	1.91
244814CG	AA-1800	3	AA	1.2	1800	Flat top	1.90"L x 0.55"Dia.	2.19	1.99	1.79
244822CG	AA-1800-CT	4	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	2.35	2.12	1.99
244890CG	SC-2900-HD	5	Sub-C	1.2	2900	Flat top, high discharge	1.70"L x 0.90"Dia.	6.49	6.04	5.89
244902CG	D-9000	6	D	1.2	9000	Flat top	2.40"L x 1.30"Dia.	14.15	12.85	11.66
244911CG	D-9000-CT	7	D	1.2	9000	Consumer tip	2.40"L x 1.30"Dia.	21.45	17.54	16.08
244620CG	9V-200	8	9V	9	200	Snaps	1.94"L x 0.65"Dia.	7.79	6.92	6.22

Blue Part No. = Limited Quantity Available



Fig. 7



Fig. 8



Green Laser Alignment Tool

- Finger-touch pressure switch • 30x brighter than red laser
- Wavelength: 532nm • Distance: 2,000 yards
- Dot size: >1.75"Dia. @ 100 yards

Blue Part No. = Limited Quantity Available

Includes: 3V lithium battery



Part No.	Output Power	Size (L x Dia.)	1	10
421711CG	5mW max.	2.6" x 0.75"	\$199.95	\$179.95



Stylus Laser Pointer

A multi-function laser that serves as a stylus pen for PDAs. Buttons for a flashlight or a laser pointer.

- 500 yard range for laser-pointer function
- Super bright white LED for flashlight • Brass body, satin silver color

Includes: 3 LR41 batteries



Part No.	Output Power	Size (L x Dia.)	1	10
421702CG	5mW max.	5.625" x .375"	\$24.95	\$22.46

60° Line Generating Lens

- Adjustable focus range: 50cm to ∞
- Back focal length: 1.5mm
- Focal length: 8.0mm
- Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)
- Length at 1 meter distance: 1.7 m

Class IIIa Laser Product



Part No.	Description	1	10	25
134148CG	60° lens	\$12.95	\$11.49	\$9.95

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia.



Class IIIa Laser Product

One-year warranty

Part No.	Description	Price
310519CG	Laser module, brass	\$44.95

Laser Diode and Driver

182932CG: Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- 5.6mm packaging size
- Beam divergence of 11° from center line max.

Class IIIa Laser Product



182932CG

161736CG: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA



161736CG

Part No.	Description	1	10	25
182932CG	650nm laser diode	\$14.95	\$13.45	\$12.15
161736CG	Laser driver	7.95	6.95	6.25

650nm Line and Dot Laser Diodes

143845CG/173243CG:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating voltage: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

Class IIIa Laser Product



173243CG

143845CG: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243CG: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837CG:

Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143837CG

143853CG: Laser module mount

- Built to hold laser diode on target
- X-Y tilt, θ movement
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845CG	Line laser diode module	\$114.95	\$103.95
173243CG	Cross hair laser diode mod	89.95	80.95
143837CG	Regulated power supply	19.95	17.95
143853CG	Laser diode module mount	49.95	39.95

Green Laser Pointer



Even the sleepiest audience will sit up and salute when you whip out a laser pointer that's green, not red... and so bright, you could be standing nearly half a mile away. Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night. You won't believe how bright it is.

- Output wavelength: 532nm • Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Price
223731CG	Green laser pointer	\$152.25



Laser Pointer Pens



153605CG



127749CG

Class IIIa Laser Products

- Range up to 500 yards • 670nm red laser

Includes: 2 AAA batteries

Part No.	Description	Size (L" x Dia")	1	10
153605CG	Black pen	5.2 x 0.4	\$19.95	\$17.95
127749CG	Silver brass	5.4 x 0.4	19.95	18.95

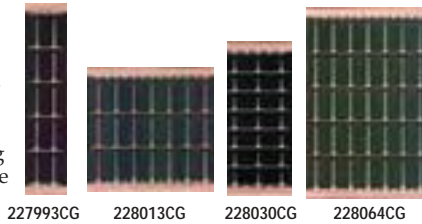
Commercial
Customers

Open an account with us to consolidate
your monthly billing and save time.
1-800-831-4242

PowerFilm. Flexible Thin Film Solar Modules

Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin, and durable. With their ultra-film profile, they are easily integrated with devices for solar recharging or direct powering. Specifically developed to recharge AA, AAA, plus 6 and 12 volt batteries.



Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	10	100
227985CG	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.89	\$3.49	\$3.19
227993CG	TX 3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061CG	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.99
228013CG	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228030CG	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.89	5.29	4.79
228048CG	MPT4.8-75	4.8	50	3.7 x 3.0 x .01	97 x 75 x 0.2	11.89	10.69	9.59
228056CG	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	22.89	20.59	18.49
228064CG	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	13.89	12.49	11.29
228072CG	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	23.75	21.25	19.12
228099CG	MP7.2-150	7.2	200	10.0 x 5.9 x .02	253 x 150 x 0.6	39.89	37.99	34.99
228101CG	MPT15-75	15.4	50	10.0 x 3.0 x .02	253 x 75 x 0.6	26.85	22.82	17.12
228110CG	MPT15-150	15.4	100	10.0 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	10	100
228161CG	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$39.89	\$36.99	\$33.99
228179CG	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	54.99	49.99
228187CG	PT15-75	15.4	50	10.3 x 3.9 x .04	270 x 100 x 1.1	39.89	36.99	33.99
228195CG	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	56.99	52.99
228208CG	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.89	94.99	89.99

Mini-Panel Solar Cells

Ready to Use! No Soldering

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red/black lead wires attached. Modules may be connected to create different outputs.

- Size: 3.8"L x 2.5"W
- Connection: lead



200221CG





Part No.	Cross Ref. No.	VDC @ mA	Size (L x W)	1	10
200221CG	SOL4	2.0 @ 200	3.0" x 3.7"	\$8.99	\$7.99
215319CG	4-3.0-100	3.0 @ 100	3.8" x 2.5"	14.29	12.89
215327CG	4-6.0-50	6.0 @ 50	3.8" x 2.5"	15.79	14.39

Panel Meters

0.6" High 3 1/2- & 4 1/2-Digit LCD Digital Panel Meters



- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5% • Size: 2.7"W x 1.7"H
- Automatic polarity indication
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095CG, pg 262)

146835CG: Backlit display			Includes: Bezel		
Part No.	Cross Ref. No.	Digits	1	10	25
108388CG	PM-428 	3½ ..	\$12.95	\$11.95	\$10.95
175951CG	PM-128 	3½	12.95	11.95	10.95
146835CG	PM-188BL 	3½	19.95	17.99	16.19
123140CG	PM-328 	4½	27.95	24.95	22.49

velleman Analog Panel Meters

- Includes mounting hardware
- Size: A: 2.4"W x 1.8"H x 1.3"D
B: 2.8"W x 2.4"H x 1.4"D



Part No.	Product No.	Range	Size	1	4
316603CG	AVM6015	0 – 15VDC	A	\$9.29	\$7.85
316671CG	AVM7015	0 – 15VDC	B	8.79	7.49
316638CG	AVM6030	0 – 30VDC	A	8.79	7.49
316654CG	AVM7030	0 – 30VDC	B	8.79	7.49
316718CG	AVM60150	0 – 150VAC	A	8.79	7.49
316785CG	AVM60300	0 – 300VAC	A	8.79	7.49
315301CG	AIM60005	0 – 50μA	A	9.29	7.85
316523CG	AIM6050	0 – 50mA	A	8.79	7.49
316486CG	AIM60100	0 – 100mA	A	8.99	7.65
316558CG	AIM60500	0 – 500mA	A	8.99	7.65
316566CG	AIM60500	0 – 5A	A	8.79	7.49
316582CG	AIM705000	0 – 5A	B	8.79	7.49
316494CG	AIM6010A	0 – 10A	A	8.79	7.49
316507CG	AIM6030A	0 – 30A	A	8.79	7.49

Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!



Serial LCD Displays

• For detailed specification sheets, please visit www.Jameco.com. • One year warranty

NEW

Matrix Orbital LK162-12



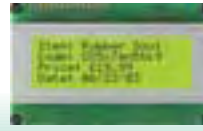
174166CG

Matrix Orbital VK202-25



281359CG

Matrix Orbital LCD2041



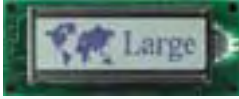
150957CG

Matrix Orbital LK204-25



157323CG

Matrix Orbital GLK12232-25-SM



281391CG

Matrix Orbital GLK12232-25-WBL



281404CG

Matrix Orbital VFD2041



303554CG

Matrix Orbital VK204-25



281375CG

Matrix Orbital GLC24064



174182CG
































Matrix Orbital GLK24064-25



281412CG

Recommended power supply
(P/N 164101CG)
for these LCD displays.
See page 251.



Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
174166CG	Matrix Orbital 	LK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	\$51.99	\$49.99	\$48.49
693791CG	Matrix Orbital 	LK162-12-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693708CG	Matrix Orbital 	LK162-12-GW	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,12,13	3.2 x 1.4 x 1.1	2.5 x 0.7	51.99	49.99	48.49
693812CG	Matrix Orbital 	LK162-12-GW-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,12,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693863CG	Matrix Orbital 	LK162-12-GW-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,12,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	53.99	52.69	51.19
693783CG	Matrix Orbital 	LK162-12-IY	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,14	3.2 x 1.4 x 1.1	2.5 x 0.7	51.99	50.99	48.49
693839CG	Matrix Orbital 	LK162-12-IY-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,14,15	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693960CG	Matrix Orbital 	LK162-12-IY-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,14,16	3.2 x 1.4 x 1.1	2.5 x 0.7	53.99	52.69	51.19
153687CG	Matrix Orbital 	LK162-12-R	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13	3.2 x 1.4 x 1.1	2.5 x 0.7	51.99	50.99	48.49
693821CG	Matrix Orbital 	LK162-12-R-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15,17	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693880CG	Matrix Orbital 	LK162-12-R-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,16,17	3.2 x 1.4 x 1.1	2.5 x 0.7	53.99	52.69	51.19
693855CG	Matrix Orbital 	LK162-12-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	53.99	52.69	51.19
281332CG	Matrix Orbital 	LK162-12-WB	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,19	3.2 x 1.4 x 1.1	2.5 x 0.7	51.99	50.99	48.49
693847CG	Matrix Orbital 	LK162-12-WB-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15,19	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693871CG	Matrix Orbital 	LK162-12-WB-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,16,19	3.2 x 1.4 x 1.1	2.5 x 0.7	53.99	52.69	51.19
694292CG	Matrix Orbital 	PK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13	3.2 x 1.4 x 1.1	2.5 x 0.7	59.99	57.99	55.99
694305CG	Matrix Orbital 	PK162-12-E	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	71.99	70.99	69.69
694313CG	Matrix Orbital 	PK162-12-V	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	61.99	59.99	58.69
694321CG	Matrix Orbital 	PK202-25	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13	3.1 x 1.4 x 1.1	2.5 x 0.7	72.99	70.99	69.19
694330CG	Matrix Orbital 	PK202-25-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15	3.1 x 1.4 x 1.1	2.5 x 0.7	85.99	84.99	82.99
694348CG	Matrix Orbital 	PK202-25-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,16	3.1 x 1.4 x 1.1	2.5 x 0.7	74.99	73.49	71.99
174174CG	Matrix Orbital 	LK202-25	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10	4.6 x 1.5 x 1.1	3.1 x 0.7	64.99	62.99	61.89
694129CG	Matrix Orbital 	LK202-25-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69
693986CG	Matrix Orbital 	LK202-25-IY	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,14	4.6 x 1.5 x 1.1	3.1 x 0.7	64.99	62.99	61.89
694145CG	Matrix Orbital 	LK202-25-IY-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,14,15	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69
694090CG	Matrix Orbital 	LK202-25-IY-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,14,16	4.6 x 1.5 x 1.1	3.1 x 0.7	68.35	66.55	64.75
693978CG	Matrix Orbital 	LK202-25-GW	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,12	4.6 x 1.5 x 1.1	3.1 x 0.7	64.99	62.99	61.89
694137CG	Matrix Orbital 	LK202-25-GW-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,12,15	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69
694014CG	Matrix Orbital 	LK202-25-GW-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,12,16	4.6 x 1.5 x 1.1	3.1 x 0.7	68.35	66.55	64.75
693994CG	Matrix Orbital 	LK202-25-R	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,17	4.6 x 1.5 x 1.1	3.1 x 0.7	64.99	62.99	61.89
694153CG	Matrix Orbital 	LK202-25-R-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,15,17	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69

*1. For a power supply, Jameco recommends P/N 164101CG, pg 251.

2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included.)

3. Manual and software included

4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature.

7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs

11. LCD Serial Backpack* accepts RS232, CMOS or TTL signal.

12. Grey text/white background

13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs

14. Inverse yellow

15. Extended temperature

16. Wide voltage range +9 to +155VDC

17. Inverse red



18. Wide voltage range with efficient switching power supply (+9 to +35VDC)

19. White text/blue background

20. Color of illumination: white/ice blue

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

✦ This product is a special order, non-cancelable, non-returnable and may take 2-4 weeks to ship.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



Serial LCD Displays (Continued)

NEW

• For detailed specification sheets, please visit www.Jameco.com. • One year warranty

Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
694102CG	Matrix Orbital	LK202-25-R-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,16,17	4.6 x 1.5 x 1.1	3.1 x 0.7	\$68.35	\$66.55	\$64.75
694006CG	Matrix Orbital	LK202-25-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,16	4.6 x 1.5 x 1.1	3.1 x 0.7	68.35	66.55	64.75
281341CG	Matrix Orbital	LK202-25-WB	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10	4.6 x 1.5 x 1.1	3.2 x 0.7	64.99	62.99	61.89
694161CG	Matrix Orbital	LK202-25-WB-E	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69
694111CG	Matrix Orbital	LK202-25-WB-V	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,16	4.6 x 1.5 x 1.1	3.1 x 0.7	68.35	66.55	64.75
281359CG	Matrix Orbital	VK202-25	20 x 2 w/ keypad interface	1200 - 19,200	5.0V @ 130mA	Y	1,7,10	4.6 x 1.5 x 0.9	2.8 x 0.5	88.99	87.97	84.47
150957CG	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	57.99	55.99	55.50
157323CG	Matrix Orbital	LK204-25	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	77.99	75.99	73.99
694217CG	Matrix Orbital	LK204-25-E	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,15	3.9 x 2.4 x 1.2	3.0 x 1.0	91.29	88.99	86.45
694225CG	Matrix Orbital	LK204-25-GW-E	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,12,15	3.9 x 2.4 x 1.2	3.0 x 1.0	91.29	88.99	86.45
694250CG	Matrix Orbital	LK204-25-GW-V	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,12,16	3.9 x 2.4 x 1.2	3.0 x 1.0	80.69	78.59	76.49
694170CG	Matrix Orbital	LK204-25-IY	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	78.79	76.69	74.99
694233CG	Matrix Orbital	LK204-25-IY-E	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14,15	3.9 x 2.4 x 1.2	3.0 x 1.0	91.29	88.99	86.45
694276CG	Matrix Orbital	LK204-25-IY-V	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14,16	3.9 x 2.4 x 1.2	3.0 x 1.0	80.69	78.59	76.49
694241CG	Matrix Orbital	LK204-25-R-E	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,15,17	3.9 x 2.4 x 1.2	3.0 x 1.0	91.29	88.99	86.45
694268CG	Matrix Orbital	LK204-25-R-V	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16,17	3.9 x 2.4 x 1.2	3.0 x 1.0	80.69	78.59	76.49
694284CG	Matrix Orbital	LK204-25-V	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16	3.9 x 2.4 x 1.2	3.0 x 1.0	80.69	78.59	76.49
694188CG	Matrix Orbital	LK204-25-WB	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,19	3.9 x 2.4 x 1.2	3.0 x 1.0	78.79	76.79	74.99
694196CG	Matrix Orbital	LK204-25-WB-E	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16,19	3.9 x 2.4 x 1.2	3.0 x 1.0	91.29	88.99	86.45
694209CG	Matrix Orbital	LK204-25-WB-V	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16,19	3.9 x 2.4 x 1.2	3.0 x 1.0	80.69	78.59	76.49
281391CG	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	68.99	67.99	65.49
694356CG	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 22mA	Y	1,8,20	3.4 x 1.4 x 0.5	2.4 x 0.7	68.99	67.99	66.09
281404CG	Matrix Orbital	GLK12232-25-SM-WB	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	74.99	73.99	71.19
694364CG	Matrix Orbital	GLK12232-25-WBL-WB	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 18mA	Y	1,8,20	3.9 x 2.4 x 0.4	2.7 x 0.8	77.99	75.99	73.39
303554CG	Matrix Orbital	VFD2041	20 x 4	1200 - 19,200	5.0V @ 20mA	Y	1,4,10	3.9 x 2.4 x 1.1	3.0 x 1.0	105.99	102.99	99.99
281375CG	Matrix Orbital	VK204-25	20 x 4	1200 - 19,200	5.0V @ 220mA	Y	1,4,10	3.8 x 2.4 x 1.0	2.8 x 0.8	103.05	102.15	98.88
174182CG	Matrix Orbital	GLC24064	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	165.99	161.69	157.49
281412CG	Matrix Orbital	GLK24064-25	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,9	7.1 x 2.6 x 1.1	5.0 x 1.3	192.99	192.00	183.30
694372CG	Matrix Orbital	GLK24064-25-GW	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Y	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	183.99	179.99	173.99
694381CG	Matrix Orbital	GLK24064-25-WB	240 x 64 pixels w/ graphics	9600 - 115,000	5.0V @ 35mA	Y	1,9,19	7.1 x 2.6 x 0.7	5.0 x 1.3	183.99	179.99	173.99

* This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.
 † This product is a special order, non-cancelable, non-returnable and may take 2-4 weeks to ship.

Scott Edwards Electronics, Inc.

Serial LCD Displays

Scott Edwards ILM-216L



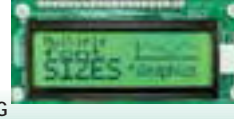
150990CG

Scott Edwards BPI-216N



133129CG

Scott Edwards SGX-120L



158166CG

Scott Edwards BPP-440L



136485CG

Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
150990CG	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$48.95	\$44.09	\$39.99
133129CG	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V - 5.5V @ 3mA	N	1, 2, 11	3.1 x 1.4 x 0.7	2.8 x 1.0	59.95	53.99	48.99
158166CG	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	9V bat. or 5.0V @ 45mA	Y	1, 2, 5	3.1 x 1.9 x 0.8	2.6 x 1.1	119.95	107.99	103.00
136485CG	Scott Edwards	BPP-440L	40 x 4	1200 - 9600	5.0V @ 10mA	Y	1, 2, 11	7.5 x 2.2 x 0.9	6.7 x 1.7	149.95	142.45	136.49

*1. For a power supply, Jameco recommends P/N 164101CG, pg 251.

2. Includes instruction codes for character generation, cursor control, printing, etc.
 (Examples for Stamps in PBASIC included.)

3. Manual and software included

4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature.

7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs

11. LCD Serial Backpack* accepts RS232, CMOS or TTL signal.

12. Grey text/white background

13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs

14. Inverse yellow

15. Extended temperature

16. Wide voltage range +9 to +155VDC

17. Inverse red

18. Wide voltage range with efficient switching power supply (+9 to +35VDC)

19. White text/blue background

20. Color of illumination: white/ice blue



VL 0.5" High 4-Digit Field Effect LCD Display

- Compatible with socket P/N 78641CG (2), pg 155
- Pin spacing: 0.1" centers
- 40-pin package (no connector required)
- Digital multimeters, thermometers, pressure gauges, timers, frequency counters, and clocks (12 or 24 hour format)

8.8.8.8



Part No.	Product No.	Size (W x H x D)	1	10	25
17110CG	402-DP-RC-S	2.0" x 1.2" x 0.1"	\$14.95	\$13.49	\$12.15

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](http://www.Jameco.com)

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Parallel LCD Displays

Quantity SAVE



EPSON EA-D16015AR
• 16 x 1 characters
• 2.5 x 0.5" display

644025CG

Ampire AC-162A
• 16 x 2 characters • 2.5" x 0.7" display

171715CG

Hantronix HDM716216H-4-H0AF
• 16 x 2 characters • 3.3" x 0.9" display

658881CG

Hantronix HDM716216H-B-P00P
• 16 x 2 characters • 2.4" x 0.6" display

658890CG

Hantronix HDM716216L-7-8C0
• 16 x 2 characters • 3.9" x 0.9" display

658988CG

PicVue PVC160206QYL04
• 16 x 2 characters • 2.4" x 0.6" display

365982CG

Optrex DM16433
• 16 x 4 characters
• 2.4" x 1.0" display

210761CG

Samsung 9936
• 20 x 1 characters • 6.5" x 1.3" display

206615CG

Hantronix HDM20216H-3-001P
• 20 x 2 characters • 3.3" x 0.7" display

658902CG

Ampire AC-202A
• 20 x 2 characters • 3.3" x 0.7" display

171723CG

Optrex DM2026IANB-2Y-20
• 20 x 2 characters • 3.3" x 0.7" display

320071CG

Hantronix HDM20416H-300
• 20 x 4 characters
• 3.7" x 0.6" display

658873CG

Solomon LM1200SGR
• 24 x 2 characters • 3.7" x 0.7" display

320101CG

Solomon LM1030SGR
• 40 x 2 characters • 6.0" x 0.6" display

320039CG

Ocular OM4021-WGS-01
• 40 x 2 characters • 6.0" x 0.6" display

277325CG

Optrex 20-20191-2
• 40 x 2 characters • 5.8" x 0.5" display

215159CG

Seiko Instruments DMC4024
• 40 x 4 characters • 5.5" x 0.9" display

652332CG

Hantronix HDM64GS12L-4-N31S
• 128 x 64 characters
• 2.4" x 1.3" display

658953CG

PicVue PVG240602A
• 240 x 64 pixels • 5.2" x 1.5" display

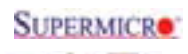
277350CG

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
											1	10	25
644025CG	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	\$9.95	\$8.49	\$7.95
171715CG	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	3, 5	3.4 x 1.2 x 0.5	2.5 x 0.7	13.99	13.35	12.65
658881CG	Hantronix	HDM716216H-4-H0AF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.8 x 1.7 x 0.4	3.9 x 0.9	11.95	10.49	8.95
658890CG	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.3 x 1.7 x 0.4	2.4 x 0.6	11.95	10.49	8.95
618003CG	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	11.39	9.25	8.33
658988CG	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Y	5	4.8 x 1.7 x 0.6	3.9 x 0.9	16.95	14.95	11.95
365982CG	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	12.69	10.79	9.45
210761CG	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 5	3.4 x 2.4 x 0.3	2.4 x 1.0	22.95	19.95	18.69
206615CG	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	2	7.2 x 1.6 x 0.4	6.5 x 1.3	17.99	15.29	11.45
658902CG	Hantronix	HDM20216H-3-001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.6 x 1.5 x 0.4	3.3 x 0.7	18.95	15.95	14.49
658970CG	Hantronix	HDM20216L-1-G30F	20 x 2	5 x 7	8-bit	5.0V @ 2.4mA	Y	5	4.6 x 1.5 x 0.6	3.4 x 0.7	18.95	16.95	14.49
171723CG	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	3, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
320071CG	Optrex	DM2026IANB-2Y-20	20 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	4.6 x 1.5 x 0.6	3.3 x 0.7	19.89	17.89	15.59
658873CG	Hantronix	HDM20416H-300	20 x 4	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.9 x 2.7 x 0.4	3.7 x 0.6	24.95	22.49	18.95
658911CG	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Y	5	4.6 x 1.4 x 0.6	2.4 x 0.6	19.95	17.95	15.49
320101CG	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	4.6 x 1.4 x 0.4	3.7 x 0.7	15.59	13.35	11.99
320039CG	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	7.2 x 1.2 x 0.3	6.0 x 0.6	22.15	18.83	14.12
277325CG	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	5	7.2 x 1.3 x 0.6	6.0 x 0.6	22.45	19.13	14.34
215159CG	Optrex	20-20191-2	40 x 2	5 x 8	8-bit	5.5V @ 5mA	Y	4	7.2 x 1.4 x 0.4	5.8 x 0.5	22.45	19.49	16.95
658831CG	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658929CG	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658937CG	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Y	5	7.2 x 1.3 x 0.6	6.1 x 0.6	32.95	29.49	24.95
652332CG	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	—	7.5 x 2.1 x 0.4	5.5 x 0.9	39.95	34.95	28.95
658953CG	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Y	6	3.0 x 2.1 x 0.4	2.4 x 1.3	27.95	24.95	21.49
658785CG	Hantronix	HDM128GS12L-1-T30F	128 x 128	128 x 128	8-bit	5.0V @ 4.0mA	Y	6	2.9 x 2.8 x 0.5	1.9 x 1.9	45.95	41.95	36.95
277350CG	PicVue	PVG240602A	240 x 64 pixels	240 x 64	8-bit	5.0V @ 6.0mA	N	6	7.1 x 2.6 x 0.4	5.2 x 1.5	55.75	51.09	38.32

*1. Control LSI HD44780 or equivalent and column driver MSM5259 or equivalent; 2. Built-in controller HD44780; 3. Controller KS0066U or equivalent; 4. Column driver: KS0063B;
5. For a power supply Jameco recommends P/N 164101CG, pg 251); 6. Dot Graphic LCD display ☼ Blue Part No. = Limited Quantity Available



Processor-Based Motherboards[†]



426781CG



426811CG



427215CG



427047CG



426829CG

Jameco Part No.	Mfr.	Product No.	Board Style	Processor Support	FSB (MHz)	Chipset	On-Board Graphics	Memory Type	On-Board Audio	USB	HDD Support	On-Board LAN	Wt. (lbs.)	Warranty (Yrs.)	Pricing	
															1	10
426781CG	Asus	P4P800SE	ATX	P4/Cel	800	i865PE, ICH5R	No	DDR400/333/266	Yes	2	SATA	1000Mb	3	3	\$138.29	\$129.06
426811CG	Asus	P5GD1	ATX	P4/Cel	800/533	i915P, ICH6R	No	DDR400/333	Yes	2	SATA	1000Mb	3	3	156.85	146.40
427055CG	SuperMicro	P8SAA-0	ATX	P4/Cel	800/533	i925x	No	DDR2 533/400	Yes	2	SATA/EIDE	1000Mb	3	3	253.19	236.28
427215CG	Tyan	S5112G2NR	ATX	P4/Cel	800/533	iE7210	Yes	DDR400/333	No	2	SATA	1000Mb	3	3	333.95	311.66
426837CG	Asus	PC-DL	ATX	Dual Xeon	533	i875P	No	DDR333	Yes	2	SATA	1000Mb	3	3	287.35	268.18
427047CG	Intel	SE7520JR2SCSID1	ATX	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2	SATA	1000Mb	3	3	782.65	733.65
427080CG	SuperMicro	X6DAE-G2-0	ATX	Dual Xeon	800	iE7520	No	DDR2 400	Yes	2	SATA/EIDE	1000Mb	3	3	628.95	587.05
426829CG	Asus	P5S800-VM	µATX	P4	800/533	SIS 661FX, 964	No	DDR400/333/266	Yes	2	SATA	100Mb	2.7	3	86.15	80.45
345172CG	Giga-Byte	GA-8I915G-MF	µATX	P4	800/533/400	i915G/ICH6	Yes	DDR400/333	Yes	2	SATA	1000Mb	3.8	3	127.65	124.99
427039CG	Intel	SE7520BD2V	SSI	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2	SATA	1000Mb	—	3	672.45	627.62

† This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

† For complete specs see www.Jameco.com

To Find Additional Motherboards, Visit www.Jameco.com/Prod/Motherboards

Quantity SAVE

CPU Heat Sinks and Fans*

SALE

Part No.	Description	Size (H" x W" x D")	Approvals	1	10
206244CG	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	CE	\$12.95	\$9.71
319951CG	Heat sink w/ fan for PIII slot 1	2.00 x 4.90 x 8.50	—	9.85	8.85
181278CG	Heat sink w/ fan for socket 7 (ATX)	2.12 x 2.05 x 1.67	UL/CE/CSA	8.49	6.37
661087CG	Heat sink w/ fan for socket 370	1.55 x 2.36 x 2.44	UL/CSA/TUV/CE	13.55	12.19
190545CG	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	—	13.55	12.19
645482CG	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	UL/CE	10.95	9.49
319185CG	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	—	7.65	7.25
129226CG	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	—	2.95	2.65
174115CG	Heat sink w/ fan for 486 CPU w/ snap ¹	1.93 x 1.96 x 0.93	UL/CE	3.95	2.96
684748CG	Heat sink w/ fan for socket 7 (AT/ATX)	1.00 x 2.60 x 2.30	CSA/TUV	8.99	8.59
308742CG	Heat sink w/ fan for 586 CPU w/ snap ¹	0.73 x 2.05 x 1.94	—	10.25	9.25

¹ 14" lead wires * See website for photos

Mounting Kits

Designed to mount most 3.5" media devices into standard 5.25" half height bays.



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
180857CG	HDB35	3.5" hard drive mount kit (short)	0.2	\$3.35	\$2.95	\$2.21
32088CG	SMK	3.5" to 5.25" mounting kit (beige faceplate)	0.5	5.89	5.29	4.79

Thermoelectric Cooler Chips

- Cools down to -30°C (dependent on external temp.)
- Heat or cool by changing direction of current
- 20 AWG wire leads, 4" long • Temperature = 60°C max.

Part No.	Cross Ref. No.	Volts	Watts	Current	Couples*	Size (LxWxT)	1	10
172030CG	TEC30	8.4VDC max.	19.7	4A max.	71	1.2" x 1.2" x 0.2"	\$19.95	\$17.95
172048CG	TEC40	15.4VDC max.	35.6	4A max.	127	1.6" x 1.6" x 0.2"	25.95	22.95
172056CG	TEC50	15.4VDC max.	79.1	8A max.	127	2.0" x 2.0" x 0.2"	33.75	29.35

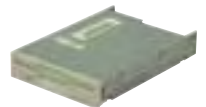
*Couples: # of P&N type semiconductor pairs connected electrically in series

172048CG



1.44MB 3.5" Internal Floppy Disk Drives

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H
- Weight: 1.4 lbs.



115490CG

♣ Pull = Extra Savings

Part No.	Product No.	Mfr.	Color	1	10
115490CG	FD235	TEAC	Beige	\$19.95	\$17.95
189165CG	— ♣	Varies	Beige	9.35	7.01
249367CG	MPF920-Z	Sony	Beige	16.95	15.99
453704CG	FD235HF ♣	TEAC	Black	58.95	55.81
661108CG	D359M3D	Mitsumi	Black	20.95	18.95

† This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

www.Jameco.com

Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.



AMD Processors & Coolers

AMD CPUs

- Available in the Athlon, Sempron, Opteron

- Speed ranges from 650MHz to 2.6GHz

Foxconn CPU Coolers

- For AMD Athlon and Opteron CPUs

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See Our Complete CPU & Cooler Offering at www.Jameco.com/Prod/AMDCPUs





Embedded Boxed Processors

SALE

Part No.	Product Name	Product No.	Speed (MHz)	FSB (MHz)	Cache (kB)	Package	1	10
344241CG	Pentium	A8050266166	166	66	—	SPGA	\$79.45	\$62.69
344276CG	Pentium MMX	FV80503CSM66166	166	66	—	PPGA-296	66.25	52.30
344268CG	Pentium MMX	FV80503CSM66266	266	66	—	PPGA-296	72.75	64.00
344284CG	Pentium II	KC80524KX333256	333	66	256	BGA1	87.95	77.25
344401CG	Pentium III	RB80526PY600256	600	100	256	FC-PGA	117.55	103.29
344436CG	Pentium III	KC80526GY850256	850	100	256	BGA2	107.39	100.95
344410CG	Pentium III	RB80526PZ001256	1000	133	256	FC-PGA	125.45	110.20
344575CG	Pentium III	RK80530KZ012512	1250	133	512	FC-PGA2	230.19	218.69
344516CG	Pentium 4	RK80532PC041512	2000	400	512	mPGA-478	238.79	224.45
344559CG	Pentium 4	RK80532PE056512	2400	533	512	mPGA-478	183.99	181.55
344348CG	Celeron	KC80526LY400128	400	100	128	BGA2	81.25	64.15
344399CG	Celeron	RB80526RX733128	733	66	256	FC-PGA	61.35	55.95
344381CG	Celeron	RB80526RY850128	850	100	128	FC-PGA	61.35	55.95

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
311204CG	Intel Celeron® processor	800	FCPGA-370	\$59.85	\$53.85
311212CG	Intel Celeron® processor	566	FCPGA-370	47.79	45.39
183118CG	Intel Pentium® III processor	600	Slot 1	99.95	96.43
183100CG	Intel Pentium® II processor	400	Slot 1	51.39	46.70
151651CG	Intel Pentium® II processor	300	Slot 1	89.95	85.45
190060CG	Intel Pentium® II w/ heat sink	233	Slot 1	89.95	67.46
150501CG	Intel Pentium MMX® processor	233	376/PGA	69.95	62.95
140054CG	Intel Pentium MMX® processor	200	376/PGA	24.55	22.32
130841CG	Intel Pentium® processor	166	296/PGA	28.05	25.48
130833CG	Intel Pentium® processor	133	296/PGA	39.95	35.95
118421CG	Intel 486DX2 processor	66	168/PGA	19.95	16.96

Pull = Extra Savings

Blue Part No. = Limited Quantity Available



Memory Modules

NEW

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
699528CG	MT8LSDT3264HG-133D2	256MB	133MHz	32M x 64	144	\$122.99	\$119.57
699536CG	MT8LSDT3264HG-133D2	256MB	133MHz	32M x 64	144	132.89	129.21

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Legacy Memory Modules

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148419CG	16MBX64SDRAM	128MB	10ns Syn. DRAM DIMM	16M x 64	168	\$65.95	\$59.95
148401CG	8MBX64SDRAM	64MB	10ns Syn. DRAM DIMM	8M x 64	168	22.75	20.68
148451CG	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	30.95	28.95
148398CG	4MBX64SDRAM	32MB	10ns Syn. DRAM DIMM	4M x 64	168	16.95	16.45
148460CG	8MBX36-60	32MB	60ns SIMM	8M x 36	72	40.95	30.71
148443CG	JEED07232	32MB	60ns SIMM EDO	8M x 32	72	43.95	39.95
75184CG	P364000-XX-6	16MB	60ns SIMM	4M x 36	72	20.75	18.85
75096CG	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	18.65	16.95
130729CG	JEED07208	8MB	60ns SIMM EDO	2M x 32	72	3.95	3.58
285667CG	HB56U232	8MB	70ns SIMM	2M x 36	72	8.95	6.95
75133CG	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	9.95	9.15
41751CG	421000A9B-70	1MB	70ns SIMM	1M x 9	30	4.95	3.95

Blue Part No. = Limited Quantity Available

Pocket PC Reference Book

Sequoia Publishing Pocket PCRef 13th edition includes troubleshooting tools, wiring diagrams, connectors and pin outs, commands for WinXP and UNIX, CDROM drive configuration data, hard drive specifications, PC hardware, ASCII numbers, CPU processor specifications and more. (1088 pages, 2004)



Part No.	Description	Size	Wt. (lbs)	Price
355231CG	Pocket PC Reference	4" x 6"	.87	\$15.15

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
151044CG	4.3GB	EIDE/Ultra DMA33	1 year	\$49.95	\$45.95
146333CG	2.5GB	EIDE/FAST ATA-2	1 year	33.29	29.95
124978CG	1.27GB	IDE	1 year	29.95	26.95
118949CG	850MB	IDE	1 year	49.95	47.45
115764CG	425MB	IDE	3 mos.	45.95	43.65

* Manufacturers may vary & capacity may exceed specification Pull = Extra Savings



Hard Disk Drives

2.5" LP EIDE/100 Disk Drives



Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319716CG	WD800UE	80GB	EIDE/100	5400	12	2	1 yr	\$133.35	\$125.25

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Hard Drives, Visit www.Jameco.com/Prod/WesternDigital

2.5" and 3.5" Hard Drives

Hitachi Travelstar & Deskstar 20GB to 400GB
Seagate Cheetah & Barracuda 36GB to 400GB
Maxtor DiamondMax 80GB to 250GB
Fujitsu 20GB to 100GB **Toshiba** 20GB to 80GB
Also available Seagate TapeStor and Data Cartridges



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See Our Complete Drive Offering at www.Jameco.com/Prod/HardDrives

IntelliMover Kit

NEW

The IntelliMover kit lets you quickly and easily move email, mules, photos, files, folders, settings and more from your old PC to a new PC. You can select file types, and settings that you want to move, so you do not end up cluttering your new PC with unwanted files.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data and settings across operating systems
- Integrates intelligently on your new PC—there's no over writing of drivers or data files on your new PC
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utility and either data transfer cable



Part No.	Description	1	10
689910CG	IntelliMover kit with CD	\$24.95	\$22.45

Parallel Port Complete

Lakeview Research Hands-on approach to PCs and their connections to parallel ports. This book offers many tips on how to get the most out of your parallel port. Enhanced (EPP) and extended capabilities (ECP) types are covered. (343 pages, 1999) **Includes:** 3.5" diskette

- Windows® 3.1/95
- Selecting cables
- PC to PC links



Part No.	Description	Size	Wt. (lbs)	Price
138261CG	Parallel Port Complete	7.0" x 10"	1.4	\$32.89

Serial Port Complete

Lakeview Research Provides you with everything you need to design, program, install and troubleshoot the links you set up. (306 pages, 1998) **Includes:** 3.5" diskette



Part No.	Description	Size	Wt. (lbs)	Price
154771CG	Serial Port Complete	7.0" x 10"	1.4	\$39.95



ZIP Drives

- Iomega 250MB and 750MB internal drives available
- White and black available
- 250MB disks



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See Our Complete ZIP Drive Offering at
www.Jameco.com/Prod/ZIPDrives

Internal Optical Drives

- 5.25" half-height design
- One-year warranty
- Manufacturer varies



189448CG

SALE

Includes: Audio cable
 CD-ROM

Part No.	Speed	Buffer	kB/sec.	1	10
345009CG	52x	128kB	7800	\$25.35	\$24.09
189448CG	56x	128kB	8400	29.95	28.45

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Find Additional Products In This Series at
www.Jameco.com/Prod/OpticalDrives

CD Accessories



249447CG



172179CG



208514CG

♣ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5	10
249447CG	48x/700MB/80 min./100 pk. ♣	\$31.95	\$30.50	\$28.95
172179CG	Single jewel case	.21	.15	.14
208514CG	Paper envelope 25 pk.	2.49	2.25	1.99

CD-ROM Audio Cables



127546CG



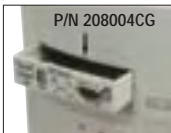
168612CG

Part No.	Connection from Sound Blaster to	Length	1	10	50
127546CG	Sony/MPC2 ♣	18".....	\$2.95	\$2.65	\$2.29
168612CG	Universal ♣	18".....	4.95	4.46	3.35

Front Panel Access Port

Enjoy easy up front access to all your most used ports, including USB, IEEE 1394, audio, and serial ports, without moving the PC.

- 2 USB; 1 IEEE 1394; Line-In; Line-Out; RS-232 (9-pin male)



Tower not included

Part No.	Description	1	10
208004CG	Front panel port ♣	\$34.95	\$32.45

Controlling the World with Your PC

Hightext Publishing

Make your PC control stepping motors, monitor fluid levels, or switch appliances on and off! Each of the circuits in this book connects directly to the parallel printer port of your PC and comes complete with a circuit diagram and listings for control software written in Pascal, C and BASIC. (257 pages, 1994)



Includes: 3.5" disk

Part No.	Description	Price
116943CG	Controlling the World with Your PC	\$49.99

Hard Drive Enclosures

- USB 2.0 & 1.1 compatible
- Plug & play
- Hard drive and CD-ROM

Bytecc 2.5" and 3.5"

Coolmax 2.5", 3.5" & 5.25"

Zynet 3.5" and 5.25"

Vantec 2.5" and 3.5"

Kingbyte 2.5"



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See Our Complete Hard Drive Enclosure Offering at
www.Jameco.com/Prod/HDCases

Removable IDE HDD Enclosures For 3.5" Drive Bay

- For quick drive swapping
- Power LEDs
- Keylock for security

196040CG:

- Size: 5.8"W x 8.5"D x 1.5"H
- Weight: 1.2 lbs.

196031CG:

- Size: 4.1"W x 7.5"D x 1.6"H
- Weight: 0.8 lbs.

319775CG:

- Size: 5.8"W x 8.9"D x 1.6"H
- Weight: 1.32 lbs.

Includes: Inner cable with IDE connector

Part No.	Description	1	10	25
196040CG	IDE encl. w/ insert ♣	\$25.15	\$18.85	\$14.65
319775CG	IDE encl. w/ insert ♣	15.55	14.79	11.09
196031CG	Insert for 196040CG ♣	19.95	16.96	12.72



Quantity SAVE

Removable IDE HDD Enclosure For 5.25" Drive Bay

- Supports DMA 66 hard drive
- Retaining lock mechanism
- 12VDC @ 50mA fan
- CFM rating: 5.6
- Size: 5.9"W x 8.7"D x 1.6"H
- Weight: 1.3 lbs.

Includes: Mounting hardware

♣ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
170608CG	Enclosure kit (IDE) ♣	\$18.09	\$16.43	\$14.93



External IDE HDD Enclosure with Parallel Interface

An external HDD enclosure for IDE hard drives with a parallel port interface to be connected to a PC or laptop. No drivers needed. Windows® 98 and above will automatically detect hard disk drive.

- Parallel port interface
- Built-in fan and 110V power supply

Includes: Parallel cable and power cord

Part No	Description	1	5
249316CG	HDD external enclosure	\$17.95	\$16.16



We're committed to providing you with the best service in the industry.

5.25" Screwless HDD/CD-ROM Enclosure

- Screwless design
- Ultra-light plastic body
- Audio jack for CD-ROM analog audio output
- Power-on and read/write LED indicators
- IDE interface supports ATA, PIO, ATAPI, DMA, and UDMA devices
- Supports Windows® 98/98SE/ME/2000/XP
- Size: 9.8"L x 6.5"W x 2.3"H



Includes: USB 2.0 cable, base, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr.	Part No.	1	5
344751CG	SD-U2DEL-525 ♣		\$44.89	\$42.65

5.25" Stackable CD/DVD/Hard Drive Enclosure

This 5.25" enclosure is designed to provide a solution in connecting existing storage devices such as 3.5" hard drives, MO drives, CDROM drives, and DVD drives to a USB 2.0 bus. An ideal interconnect for multimedia applications.

- Supports plug-n-play, hot-swap, and wake-up
- Peak data transfer rate of up to 480Mbps
- Accommodates all existing storage devices such as 3.5" IDE hard drives, MO drives, CD and DVD drives
- Compliant w/ USB specification Rev. 2.0
- ATA/ATAPI-6, LBA48, PIO Mode, DMA mode, and UDMA mode supported
- Light-weight plastic body
- Size: 10.1"L x 6.5"W x 2.5"H
- Weight: 2.4 lbs.

Includes: USB-A to USB-B cable, 12VDC @ 2.0A power supply and CD-ROM drivers

Part No.	Mfr.	Part No.	1	5
344743CG	SY-UEN-5MYS-S ♣		\$44.89	\$42.65

2.5" External USB Enclosure

- 2.5" external enclosure for 2.5" hard drives
- Transfer rate: 480Mbps (Ver. 2.0)
- Plug and play; hot-plug
- Compatible with Windows® 98/98SE/ME/2000/XP
- Bus powered through USB connector

Includes: USB cable with adapter and CD-ROM software drivers

Part No.	Description	1	10
354984CG	2.5" enclosure	\$26.45	\$25.10



3.5" Screwless Hard Drive Enclosure

- Screwless design
- USB 2.0 compliant
- IDE interface supports ATA, PIO, DMA, and UDMA hard drives
- Rugged aluminum body
- Plug and play, hot-swapping capability
- Power-on and read/write access LED indicators
- Size: 8.4"L x 4.7"W x 1.4"H

Includes: USB 2.0 cable, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr.	Part No.	1	5
344735CG	SD-U2PLA-35 ♣		\$31.45	\$29.89



USB Card Reader

Easy to use, USB memory card reader is compact and very versatile. Supports all types of memory cards: compact flash types I and II, microdrives, both standard and reduced size multimedia cards, memory sticks, standard and mini secure digital cards, and smart media cards. USB 2.0 and 1.1 compliant, it supports transfer rates of up to 480Mbps and direct transfer between different types of memory cards.

- Supports hot-swap and wake-up
- Bus powered – no external power supply required
- LED indicators for power on and operation status of individual sockets • Built-in USB-A cable

Part No.	Cross Ref. No.	1	10	25
344840CG	SD-U2CR	\$19.95	\$18.95	\$16.50

USB Multimedia Card Reader

An easy way to upload photos, files, movies, and data from your multimedia flash memory card to your computer! Just drag and drop.

- USB-A male connector
- 1 expansion slot for multimedia card
- Compatible with PC's and MAC's

Part No.	Product No.	1	5	10
278125CG	SDDR-1201	\$4.19	\$3.79	\$3.44

Universal USB Flash Card Reader/Writers

SanDisk ImageMate 12-in-1

SanDisk MobileMate 4-in-1

Soyo MS-PC-8100 12-in-1

Zynet CR-T11-U29 12-in-1

MediaGear MGTR-600 12-in-4

MediaGear MGTR-300 8-in-4

I-Rocks IR-5300 12-in-1

MagicStor with 2.2GB Hard Drive

Internal Flash Card Readers

MediaGear 3.5" Media Bay

USB 9-in-1

Soyo 3.5" BayOne XP 9-in-1

Soyo 5.25" BayOne Xtreme 9-in-1

Soyo 3.5" BayOne DV 9-in-1

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See Our Complete Flash Card Reader Offering at
www.Jameco.com/Prod/FlashReaders

USB Complete

Lakeview (3rd Edition) Provides an easy-to-use interface for computer peripherals. The book covers topics such as what USB can do, transfer types, chip choices, what's inside a USB controller, writing firmware, how the host communicates and more. (572 pages, 2005)

- Size: 7.0" x 9.0" • Weight: 1.9 lbs.

Part No.	Description	Price
171900CG	Complete USB Book	\$49.95

Mobile USB Fan/Light

Take advantage of a great deal on this innovative personal USB-powered fan and light for laptop computing! You'll enjoy the added comfort of features like a flexible gooseneck mount. Fan runs on a quiet motor with soft nylon blades. Mobile USB light allows you illuminate your keyboard during.



Part No.	Description	Price
256461CG	Mobile USB fan	\$8.99
256436CG	Mobile USB light	9.99

USB Thumb Drives

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.

- 10 year data retention
- Size: 2.9"L x 0.7"W x 0.4"H
- Windows® 98/98SE drivers are available at www.Jameco.com

Part No.	Description	1	10
217787CG	128MB	\$25.39	\$22.85
687682CG	128MB (PNY)	17.95	16.49
687738CG	128MB	15.95	13.95
217795CG	512MB	56.45	50.82

USB Flash Drives

Kingston Data Traveler

- 64MB - 1GB

LexarMedia Jump Drive

- 128MB - 512MB

Memorex Travel Drive

- 512MB - 1GB

M-Systems DiskOnKey

- 512MB

SanDisk Cruiser • 128MB - 2GB

Apacer Handy Steno

- 256MB - 512MB with password security

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See Complete USB Flash Drives Offering at
www.Jameco.com/Prod/USBFlashDrives

Flash Memory Cards and Adapters

Lexar SanDisk TOSHIBA Kingston

- LexarMedia: 64MB to 1GB
- SanDisk: 64MB to 1GB - also CF Ultra II: 1GB to 4 GB
- Toshiba: 256MB to 2GB
- Renesas: 512MB
- For use with digital cameras, MP3 players, handheld PCs, PCs, voice recorders, audio/video equipment, TVs, musical instruments, PDAs, mobile phones, automotive equipment, portable audio, and digital video cameras

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Compact Flash Offering at
www.Jameco.com/Prod/CompactFlash
www.Jameco.com/Prod/FlashMMCSD
www.Jameco.com/Prod/FlashAdapters

PCMCIA Smart Card Terminal

- High quality PCMCIA smart card terminal for laptops
- CT-API support; OCF compatible
- Supports maximal smart card speed
- Card power supply: 60mA max.
- Speed: up to 423kpbs
- Clock speed: up to 8MHz
- Supports Windows® XP/2000/98/ME/NT4.0

Part No.	Product No.	1	10	100
577344CG	SR-4044	\$101.79	\$96.70	\$71.38

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

SmartBeam™ Infrared Adapter

Provides the simplest and fastest way to interface your PC or laptop with palmtops, organizers, and even printers. Using industry standard IrDA 1.0 technology, it can communicate with other devices that are IrDA up to 115.2kpbs. Connect this device to a serial port and share files, printers, and even send email.

Includes: Software & DB9 M-to-DB25 F serial adapter

♣ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
291821CG	Infrared adapter	\$22.05	\$19.75

www.Jameco.com

Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.



USB Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
344794CG	SYBA	SD-PCB-USB	PCMCIA	2	USB	32-bit cardbus Type II compliant, USB 2.0 compliant, data transfer rate of 480Mbps.	\$29.35	\$27.89
687658CG	—	IOC-3500	PCI	4 ext / 1 int	USB	32-bit, PCI, VT6202/6212 USB 2.0 Host controller chip, REV 1.1 compliant	14.95	14.19
344815CG	SYBA	SD-PCB-COM	PCMCIA	4	USB/Firewire	32-bit bus Type II slot, USB 2.0 and IEEE 1394a compliant, open HCI V1.0 and 1.1 compliant.	41.59	39.52
344778CG	SYBA	SY-VIA-5UB	PCI	4 ext / 1 int	USB	32-bit host interface, VT6212 (USB 2.0) host controller chip, USB 2.0 Rev 1.1 compliant.	13.55	12.86

Firewire Interface Cards

215984CG	—	U02-00315	PCMCIA	2	IEEE-1394	32-bit bus, IEEE 1394 compliant, 400Mbps max., backward compatible, supports Windows* 98SE/ME/2000/XP and MAC OS 8.6 or above.	\$38.49	\$37.50
344760CG	SYBA	SY-VIA-4F	PCI	3 ext / 1 int	Firewire	VT3606 controller chip, 32-bit, IEEE 1394-1995 and 1394a compliant.	21.79	20.70

Network Interface Cards

285501CG	—	RTL8139D	PCI	1	RJ-45	IEEE 802.3 and 802.3u compliant, auto detection of 10Mbps or 100Mbps, N-way 10/100 auto negotiation.	\$13.49	\$12.15
285510CG	—	905B	PCI	1	RJ-45	IEEE 802.3 and 802.3u, N-way 10/100 auto negotiation.	11.99	10.79
285528CG	—	GD82559	PCI	1	RJ-45	IEEE 802.2 and 802.3 compliant, 6kB cache on board, 10/100 auto negotiation, supports Windows* 95/98/2000/NT3.51/NT4.0.	11.99	8.99
308769CG	3-COM	3C509B-TPO	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	17.49	15.95
308646CG	COMPEX	RL200A-PnP	ISA	2	RJ-45/BNC	IEEE 802.3 (10Base-T) 10Mbps, supports NETWARE, LAN manager, Windows* 95/NT/Workgroups/OS2.	18.09	16.25
355039CG	GetOn	C130	PCMCIA		Wi-Fi	32-bit cardbus interface, IEEE 802.11b compliant, wireless data-rate (1Mbps to 11Mbps), supports Windows* 98/2000/ME/XP.	17.59	13.19

♣ Pull = Extra Saving Ⓢ Blue Part No. = Limited Quantity Available

Serial Interface Cards

171362CG	—	4025A	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550.	\$38.95	\$35.95
171555CG	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/15 and address jumper configurable, dual 16C550 DB9 male.	24.95	21.85
132572CG	—	TC-400-550	ISA	4	DB9/DB25	16 or 32-byte FIFO, supports IRQ sharing, dual 16C550 DB9 male, dual 16C550, dual DB25 male.	50.95	45.85
172005CG	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171547CG	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660CG	—	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	134.95
344903CG	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15


Ⓢ Blue Part No. = Limited Quantity Available



PCI-Bus Extender Card

- PCI bus
- Gold-plated fingers for long life
- Extends life of motherboard connectors
- Size: 5.9"L x 5.4"W

Part No.	Description	1	10
141381CG	PCI-bus extender card	\$74.95	\$67.49

 RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Interface Cards

Adaptec Cards

- SCSI Cards
- SCSI RAID Cards
- Serial ATA RAID Cards

HighPoint Cards

- ATA Host Adapter Cards
- ATA & SATA RAID Cards
- Print Server

EdiMax PCI Cards

MicroWise PCI Cards

Broadcom RAIDCore™ Cards

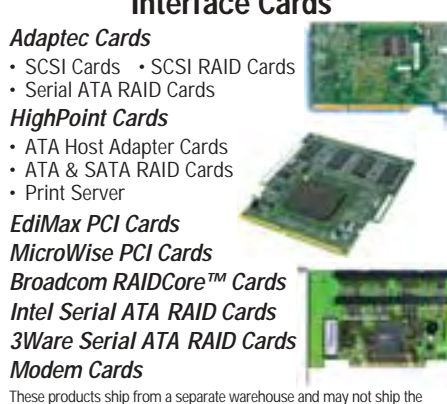
Intel Serial ATA RAID Cards

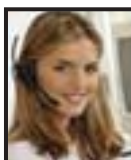
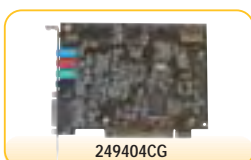
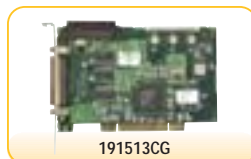
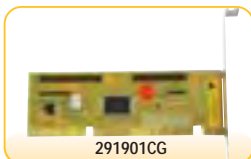
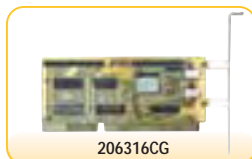
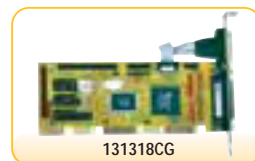
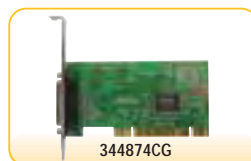
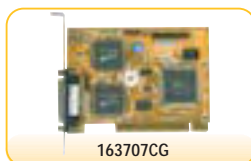
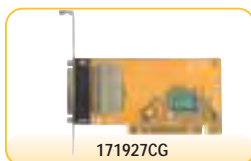
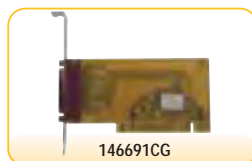
3Ware Serial ATA RAID Cards

Modem Cards

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Interface Card Offering at www.Jameco.com/Prod/InterfaceCards





Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Parallel Interface Cards

SALE

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
146691CG	—	4006A	PCI	1	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	\$23.95	\$21.95
171927CG	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	39.95	35.95
163707CG	—	4014A	PCI	2	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	25.59	23.25
344874CG	SYBA	SD-PCI-1P	PCI	1	DB25	32-bit PCI, single DB25 female, NETMOS Nm9805CV chipset, IEEE 1284 compliant.	23.59	22.45

Super I/O Controller Cards

131318CG	—	KW-557A	ISA	—	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	\$29.95	\$26.95
206316CG	—	CA8390	ISA	—	Mult.	16-bit data transfer, supports 2 floppy drives (360k-1.44Mb), controls 2 AT BUS hard disk drives.	6.79	6.16
291901CG	—	MCT-IDEFH-2	ISA	—	Mult.	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to 1.44Mb, jumper selectable for enabling and disabling ports.	24.55	22.10
149294CG	—	CI-2020	ISA	—	50-pin F	DOS/Windows® /NT/95/OS2 Netware/SCO UNIX, internal and external SCSI connectors.	33.99	29.99
191513CG	Adaptec	AHA-2940U2B	PCI	—	68-pin F Ultra SCSI2	AIC-7890AB chipset, Windows® 95/NT, Netware, OS/2 compatible, internal/external ULTRA II SCSI 68-pin connectors.	87.95	79.14

Video Graphics Cards

248840CG	—	PS32985DR-8MB	PCI	—	HDDB15	Savage IX 8MB graphics accelerator, built-in direct draw accelerator and NTSC/PAL video encoder 4-bit resolution.	\$28.99	\$26.35
364111CG	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows 98 and NT4.0 compatible.	29.99	28.49

Sound Card

249404CG	Creative	CT4830	PCI	—	Multi	2-audio line-out (mini-stereo 3.5mm F), 1 microphone input (mini phono 3.5mm F), 1-audio line-in (mini-stereo 3.5mm F) and 1 game port (DB15F).	\$29.95	\$26.95
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Blue Part No. = Limited Quantity Available

Additional Wireless and Optical Mice

- PS/2 and USB interfaces
- Ergonomic designs
- Programmable hot keys
- High-resolution sensors
- Scroll wheel
- Mini (notebook) styles

Available manufacturers:

BenQ
Acer
Logitech
Spec Research
Microsoft



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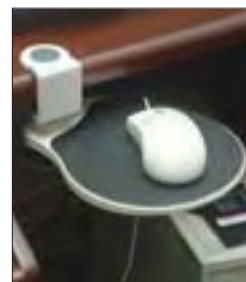
See Our Complete Mice Offering at www.Jameco.com/Prod/Mice

Clip-on Mouse Pad

Organize and maximize your workstation.

Tired of trying to work without enough space? Free up your desk space with this convenient clip-on mouse platform. No drilling required—clamps on securely to your desk or workstation without damaging the desk. This unit also stores completely below your desk so you don't have to see it when it's not in use. Includes a cord clip to keep mouse cords tangle-free and in position.

Part No.	Description	Price
249105CG	Clip-on mouse pad	\$6.99



USB Keyboard Adapter

NEW

- USB-A female to 6-pin mini DIN male (PS/2)

Part No.	Description	1	10	25
316832CG	USB-A to PS/2	\$1.79	\$1.59	\$1.39



Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6

SALE



Fig.7



Fig.8

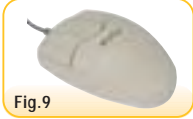


Fig.9



Fig.10



Fig.11



Fig.12



Fig.13

Part No.	Manufacturer	Product No.	Type	Interface	Description	Fig.	Size (L" x W" x H")	1	10	25
395612CG	IONE	LYNX-L7R	Optical	USB-PS/2	Mini optical mouse w/ retractable cable and USB-PS/2 adapter	1	3.9 x 2.3 x 1.5	\$29.95	\$26.95	\$24.25
486098CG	Microsoft	N72-00001 ♣	Optical	USB-PS/2	Wireless, 3-button with scroll and tilt wheel	2	—	37.55	37.14	36.77
486039CG	Spec Research	HS3003/U+P ♣	Optical	USB-PS/2	3-button with scroll	—	—	7.65	7.54	7.47
354976CG	—	C1-8B-2061-BB	Optical	USB-PS/2	3-button with optical wheel with USB to PS/2 adapter	3	4.2 x 2.1 x 1.6	11.29	10.75	10.19
486047CG	Spec Research	HM2002	Mech. Ball	USB-PS/2	3-button with scroll	—	—	2.99	2.97	2.94
685943CG	—	OW7751	Mech. Ball	USB	3-button with scroll; black	—	4.8 x 2.5 x 1.5	14.95	13.49	11.95
485714CG	Spec Research	HS3003/49P ♣	Optical	USB-PS/2	3-button with scroll	—	—	7.65	7.54	7.47
687746CG	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	—	4.6 x 2.6 x 1.5	18.95	16.95	15.25
486012CG	Microsoft	N64-0001 ♣	Optical	USB	2-button with scroll; silver	4	—	18.35	17.65	16.55
485861CG	Microsoft	P58-00006 ♣	Optical	USB	3-button with scroll; beige	5	—	11.15	11.00	10.90
265471CG	—	—	Optical	USB	Mini optical mouse	6	3.7 x 2.2 x 1.3	15.25	14.45	13.75
485941CG	BenQ	99.Q3188.P2U ♣	Optical	PS/2	3-button with scroll; for right or left hand users	7	4.7 x 2.5 x 1.5	7.15	7.00	6.95
265447CG	Memorex	32022378	Optical	PS/2	Wireless, 5-button optical ScrollPro w/ PS/2 to USB adapter	8	4.9 x 3.0 x 1.6	26.95	25.60	24.55
288972CG	Rottek	K3P400A	Mech. Ball	PS/2	3-button PS/2	9	4.2 x 2.5 x 1.3	4.95	4.49	4.05
305082CG	IONE	Libra-90 ♣	Trackball	PS/2	PS/2 trackball with USB adapter	10	5.6 x 4.7 x 1.9	29.95	26.95	24.25
485909CG	Microsoft	X08-70372/673-00431 ♣	Wheel	PS/2	3-button with scroll; beige	11	—	6.25	6.18	6.12
485706CG	—	HM2002/H2002 ♣	—	PS/2	3-button with scroll	—	—	3.35	3.28	3.25
283223CG	—	—	Mech. ball	DB9 female	3-button serial	12	4.3 x 2.6 x 1.6	6.15	5.23	3.92
121363CG	—	—	—	—	Mini mouse pad	—	7.0L x 5.5W	3.25	2.70	2.00
656907CG	—	FDM-G11	Trackball	PS/2	3-button off-table trackmouse; gray	—	3.0 x 2.0 x 2.0	16.95	15.95	13.49
657011CG	—	FDM-G11-USB	Trackball	USB	3-button off-table trackmouse; black	13	3.0 x 2.0 x 2.0	17.95	16.95	14.49

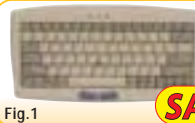


Fig.1



Fig.2



Fig.3



Fig.4



Fig.5

SALE



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10





Fig.11

SALE

Part No.	Mfr.	Product No.	Interface	Description	Fig.	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183CG	—	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	1	12.3 x 6.0 x 1.2	—	\$41.85	\$39.75	\$37.75
114868CG	—	MCK-84SX	5-pin DIN	84-key tactile keyboard, Windows® 95 compatible	2	12.8 x 6.6 x 1.0	—	44.95	40.45	35.05
211756CG	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	3	11.4 x 8.5 x 1.2	2.3	59.95	53.95	48.95
191530CG	COMPAQ	1PRT235BT ♣	PS/2	101-key tactile keyboard w/ separate cursor and numeric keys, 12 function keys (recommend adapter P/N 159089CG)	—	18.3 x 6.5 x 1.3	3.6	18.95	16.95	14.95
639550CG	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	4	15.9 x 6.5 x 1.3	2.1	39.95	35.95	32.49
319661CG	IONE	Gemini-M1	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AAA batteries included	5	17.6 x 7.5 x 1.6	2.2	\$25.65 22.95	20.65	16.55
173649CG	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	6	18.2 x 7.0 x 1.5	2.7	12.95	11.01	8.26
128718CG	IONE	Scorpius 35PU/NET ♣	PS/2	104-key tactile keyboard w/ built-in jumbo trackball. N-key rollover.	7	19.0 x 16.8 x 1.4	3.7	99.95	94.75	89.55
308101CG	Labtech	967360-0403	PS/2	104-key RF keyboard and 3-button optical scroll mouse, multimedia hot-keys	8	18.0 x 8.7 x 1.6	4.5	\$37.25 32.95	29.95	26.95
455603CG	—	KM-2501	PS/2	104-key soft touch w/ multimedia & 12 function keys	—	17.5 x 6 x 1.2	1.8	16.25	15.43	14.66
263521CG	—	RT3604	USB	104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear	9	18.6 x 7.8 x 3.8	3.8	14.65	13.90	13.15
319812CG	PC Concepts	ICIA	PS/2	107-key soft-touch keyboard w/ programmable function keys for internet/ utility/office, and multimedia. Software included	—	17.5 x 5.7 x 0.8	1.8	12.35	11.15	10.60
354950CG	COMPAQ	KB-9965	PS/2	107-key soft-touch keyboard w/ 12 function keys	—	18.5 x 6.5 x 1.4	1.3	\$17.99 12.95	11.65	8.74
485685CG	BenQ	X730 PRO ♣	USB, PS/2	104-key wireless keyboard w/ 13 hot-keys and 2-button optical scroll mouse	10	19.5 x 8.0 x 1.6	3.2	110.95	109.81	108.72
485749CG	KB Designer	KB-118W ♣	PS/2	104-key keyboard w/ 3 Windows® multimedia hot-keys; beige	—	—	—	4.55	4.51	4.47
485765CG	Acer	90.00029.858 ♣	PS/2	107-key keyboard w/ 3 Windows® hot-keys; beige	—	18.0 x 6.7 x 1.4	—	6.15	6.06	6.00
485773CG	Acer	90.00029.UB1 ♣	USB	107-key keyboard w/ 3 Windows® hot-keys; beige	—	—	—	22.85	22.62	22.40
681230CG	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/ built-in speakers	—	18.5 x 10 x 3.2	2.5	19.95	17.95	15.95
265375CG	ITRON	Scorpius-22RB ♣	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function. Includes manual and drivers.	11	6.2 x 4.2 x 1.3	0.8	39.95	35.95	32.49
319054CG	—	KB22APB ♣	PS/2	22-key PS/2 tactile keypad. Includes PS/2 to AT adapter.	11	—	—	33.69	31.99	30.39

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. ♣ Blue Part No. = Limited Quantity Available

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



308814CG



150 to 400-Watt PC Power Supplies

Quantity SAVE

421657CG



196189CG



172822CG



ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	10	25
422001CG	Seasonic	SS-600HT Active PFC	600	+3.3/30, +5/30, +12/18, +12/18, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$145.05	\$133.40	\$126.20
422094CG	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	125.05	115.00	108.80
421999CG	Seasonic	SS-460HS Active PFC	460	+3.3/30, +5/30, +12/16, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.3	95.05	87.40	82.70
308814CG	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	52.20	49.59
673379CG	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	76.05	68.40	62.50
652607CG	Seasonic	SS-400HT-80 Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.5	99.05	91.10	86.10
673352CG	Seasonic	SS-350HS Active PFC	350	+3.3/22, +5/21, +12/10, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	57.05	51.30	46.00
673361CG	Seasonic	SS-301HT Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	46.05	41.40	37.25
652594CG	Seasonic	SS-300SFD-80 Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.5	66.05	60.70	57.00
427928CG	Seasonic	SS-300SFD Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	51.05	46.90	44.40
673344CG	Seasonic	SS-300HS Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	42.05	37.80	35.00
422123CG	Seasonic	SS-250SFD Active PFC	250	+3.3/18, +5/21, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.7	42.05	38.60	36.50
319994CG	3Y Power Technology	AP-1250-1112	250	+3.3/20; +5/25; +12/12 +5VSB/3; -5/5; -12/0.5	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050CG, pg 260)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	33.25	31.65	23.75
152194CG	American Media	JE2031	250	+3.3/14, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	UL/CSA/TUV	6.0 x 5.5 x 3.4	3.5	44.95	40.45	36.39
421657CG	Powertronic	PKI800T3*	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/5, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CG, pg 260)	UL/CSA/TUV	6.0 x 5.6 x 3.3	3.3	15.95	14.49	11.95
196189CG	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CG, pg 260)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	29.71	22.28

AT Power Supplies

692414CG	Autec	PCB-5300-2000	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CG)	UL/CSA/TUV	6.0 x 5.6 x 3.4	3.0	\$29.95	\$26.95	\$23.95
692393CG	Autec	PCB-5300-4043**	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CG)	UL/CSA/TUV	6.0 x 5.6 x 3.5	3.6	29.95	26.95	23.95
233525CG	Sparkle Power	SPI-230G	230	+5/23, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CG, pg 260)	UL/CSA/TUV	5.9 x 5.5 x 3.4	2.0	24.95	22.45	20.19
172822CG	Mean Well	AA-230*	200	+5/20, +12/8, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	CSA/TUV/CE	6.0 x 4.6 x 3.4	2.6	49.95	44.96	40.46

Rack Mount 1U/2U ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs.)	Pricing		
										1	10	25
673387CG	Seasonic	SS-600H2U Active PFC	600	+3.3/20, +5/25, +12/15, +12/15, +12/17, -12/0.8, +5VSB/3	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	10.7 x 3.9 x 2.7	2.7	\$169.05	\$152.10	\$136.95
422140CG	Seasonic	SS-520H1U Active PF	520	+3.3/20, +5/25, +12/14, +12/14, +12/15, -12/0.8, +5VSB/3	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	10.6 x 3.9 x 1.6	3.0	149.05	137.10	129.60
422060CG	Seasonic	SS-460H2U Active PF	460	+3.3/20, +5/21, +12/18, +12/18, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	8.5 x 3.9 x 2.7	4.0	129.05	118.20	112.20
422043CG	Seasonic	SS-400H1U Active PFC	400	+3.3/20, +5/21, +12/16, +12/17, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	8.9 x 3.9 x 1.6	3.0	109.05	100.30	94.80
422019CG	Seasonic	SS-250E1U Active PF	250	+3.3/16, +5/12, +12/18, -5/0.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	7.5 x 3.9 x 1.6	2.7	75.05	69.00	65.30

* See photo above

** With switch



PC Power Supplies

PC & IPC Power Supplies

- Power range: 90W to 530W
- Input voltage: 90-265VAC, 115/230VAC or 90-264VAC
- ATX, ATX/SFX, Flex ATX, PS3, TFX, IU, EPS 1U, EPS 2U, 2U and Power Factor Correction types available

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Power Inverters

150-Watt DC-to-AC Inverter

- Input voltage: 10-15VDC
- Output voltage: 110VAC @ 60Hz
- Peak power surge capable
- Overload & thermal protection
- Weight: 1.3 lbs.
- Battery low shutdown
- Dimensions: 4.8"L x 2.9"W x 1.8"H



75 and 150 Watt DC-AC Inverters

- Optimum efficiency: 90%
- DC input voltage range: 10 - 15VDC
- Overload protection/low battery alarm/low battery shutdown
- P/N 307811CG has a built-in thermal cooling fan
- AC output frequency: 60Hz
- Auto reset short circuit protection

307791CG



Part No.	Description	1	10	25
277181CG	150W auto plug	\$28.95	\$27.49	\$26.15

Part No	Description	Peak Surge	AC Output	Dimension	Price
307791CG	75W inverter	200W	115VAC	4.8"L x 1.6"W x 2.4"H	\$26.95
307811CG	150W inverter	450W	110V ±5VAC	5.0"L x 1.9"W x 2.9"H	\$34.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Surge Protectors

TRIPP-LITE

isobar®



- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 and 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty

ULTIMATE LIFETIME INSURANCE

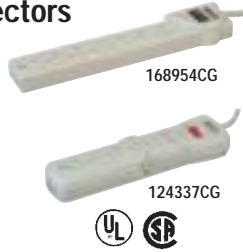
TRIPP-LITE

Standard Surge Protectors

Economical and effective spike and noise suppression with diagnostic LEDs.

- 168954CG:** • \$20,000 Ultimate Lifetime Insurance
- Up to 27,000 amp spikes • Weight: 1.2 lbs.
- 124337CG:** • \$75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes • Weight: 1.6 lbs.

Part No.	Product No.	Joules	1	10
168954CG	Striker 7	750	\$8.05	\$7.65
124337CG	Super 7	2350	17.95	16.35



6-Outlet Surge Protector

- Standard 6-outlet surge suppressor
- Heavy-duty power cord (14AWG x 3)
- RESET/OFF switch with built-in 15A circuit breaker • Clamping voltage: 400V
- Max. surge dissip.: 900 joules • Max. surge volt.: 6500V • Max. spike cur.: 4500A

Part No.	Description	Wt. (lbs.)	1	10	100
216485CG	Surge suppressor	0.9	\$6.95	\$6.25	\$5.59



RCA Integrated Wall Plate Surge Protectors

- \$5,000 surge equipment guarantee • Safe-operation indicator lights
- 2 outlets • Noise-filter • UL/CUL approved

235002CG: Satellite/Cable TV protection

- Cable ready • 670 joules

234991CG: Modem/Phone/Fax protection

- Internet ready • 410 joules

Part No.	Product No.	Size (WxDxH)	Wt. (lbs.)	1	6	12
235002CG	SPC300	6.9"x1.0"x10.8"	0.7	\$3.95	\$3.58	\$3.26
234991CG	SPT300	6.9"x1.0"x10.8"	0.7	3.95	3.58	3.26

SALE



SL WABER Compact Surge Protector for Notebook Computers

- Single 3-prong receptacle outlet with telephone modem protection
- 3-prong wall mount type • 210 joule rating • RFI noise blocker
- Surge LED indicator

Includes: 4' RJ11 cord

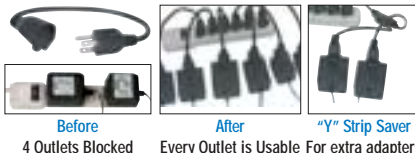
Part No.	Description	Size	1	10	25
206279CG	Outlet protector	2.3"W x 1.3"D x 3.3"H	\$5.89	\$5.31	\$4.75

Power-Strip-Saver Single Outlet and "Y" Double Outlet

Get full use of your power strips and UPS outlets with our high quality power strip outlet saver. You can use all the outlets on your surge suppressors, UPS, and outlet strips. Just plug a bulky power adapter into this cable and free up your other outlets.

- Length: 1 ft. • Cord type: SVT

Part No.	Description	1	10	50
199777CG	AC power cord (black)	\$1.69	\$1.55	\$1.39
208338CG	AC power cord (beige)	1.69	1.45	1.09
208347CG	"Y" power-strip-saver	2.89	2.75	2.59



Isobar Premium 19" Rack Mount Surge Protector

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10
139686CG	IBAR12RM	1280	12 outlet, 2 isolated filters	4.7	\$119.95	\$107.99

Isobar Premium Surge Protectors

18981CG	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	\$49.95	\$44.95
74544CG	ISOBAR 6	2350	6 outlet, 3 isolated filters	2.7	54.95	53.25

Isobar Ultra Premium Surge Protector

19001CG	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	\$69.95	\$63.74
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6-Outlet Surge Protector

- Metal
- 3-prong, 4' power cord
- Max. spike current: 4500 amps, 50 joules
- Size: 12.3"L x 2.4"W x 1.3"H
- Weight: 1.5 lbs.

Part No.	Description	1	10	100
20175CG	Metal power strip	\$9.85	\$8.85	\$7.85



Sesonic

Power Angel Monitor

- Help to forecast and manage your electric bill
- Monitor AC power quality to protect sensitive instruments
- Choose the correct Uninterruptible Power Supply (UPS) based on the real VA of your equipment
- Use it anywhere with any 120VAC appliance
- Max. voltage: 125V, 50/60 Hz

Part No.	Description	1	10	25
422158CG	Power Angel	\$35.05	\$32.20	\$30.50



Index of Electronics-Industry Books



Part No.	Description	Page
215061CG	Easy Microcontrol'n, Beginner's Guide	7
137162CG	Electric Motors and Control Techniques	174
215052CG	Microcontrol'n Apps, PIC Microcontroller Applications	8
200168CG	PIC BASIC Programming and Projects	9
174650CG	PIC Microcontroller Project Book, Beginner's Guide	8
183046CG	Programming and Customizing the PIC	7
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Place your order by 6PM EST for same business-day shipment.

SALE

Quantity SAVE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

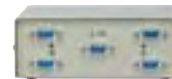


Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Place your order by 6PM EST
for same business-day shipment.

KVM Switchboxes

Part No.	Mfr.	Fig.	Mfr. Part No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
114155CG	—	1	40H1-14402	2-way keyboard / mouse switchbox (2PCs to 1 user)	HDDB15 female / 5-pin DIN female	6.0 x 4.0 x 2.3	1.3	\$10.79	\$9.83
310826CG	—	2	KVM2717	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Requires 9.5VDC@500mA power supply - recommend P/N 100175CG pg 252	4.7 x 4.0 x 1.8	1.5	49.19	36.89
310842CG	—	3	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	User connectors: PS/2 female for keyboard & mouse, HDDB15 female for monitor to PC connectors: two HDDB15 male for monitor, two USB-A male; two 3.5mm jack	2.9 x 2.7 x 1.1	1.5	82.29	78.15
310834CG	—	4	KS104	4-way KVM switchbox (4 PC's to one user)	PS/2 female for keyboard & mouse, HDDB15 female for monitor; Recommend P/N 202180CG pg 162 for power supply	7.4 x 2.9 x 1.3	7.1	112.49	84.36
149391CG	ATEN	5	CS-114A	4-way KVM switchbox (4 PCs to one user)	DB9 serial female / PS/2 keyboard & mouse (recommend P/N 204062CG for PS/2 cable see below) Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	179.85	162.59
132249CG	—	6	40H1-25602	2-user switchbox (1PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CG (5-pin M-M cable); P/N 66173CG (DB15HD M-M cable); P/N 132345CG (DB9 F-F cable) pg 112	7.5 x 5.3 x 2.8	1.6	17.95	13.46
79177CG	—	7	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	19.95	17.95
134017CG	—	8	40H1-25604	4-user switchbox (1PC to 4 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CG (5-pin M-M cable); P/N 66173CG (DB15HD M-M cable); P/N 132345CG (DB9 F-F cable) pg 113	7.5 x 5.3 x 2.8	2.3	21.95	19.95

Serial-to-PC Switchboxes

79126CG	—	9	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	\$9.95	\$8.95
183417CG	—	10	—	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	19.95	17.95

Network-to-Server Switchbox

180099CG	—	11	40R2-01604	4-server RJ-45 switchbox	4 RJ45 8P8C female (network devices to 4 servers)	8.0 x 6.1 x 2.2	2	\$14.95	\$13.49
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Fax/Modem/Telephone-to-PC Switchbox

79142CG	—	12	40R1-01602	2-PC RJ-11 switchbox	RJ-11 6P6C (fax/modem/telephone to 2PCs)	6.0 x 4.8 x 2.5	1.2	\$9.95	\$8.95
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Parallel Printer-to-PC Switchboxes

20095CG	—	13	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	\$8.95	\$7.95
20124CG	—	14	40D3-17604	4-port switchbox	DB25 female (4PCs to 1 printer)	6.0 x 4.0 x 2.4	1.5	14.95	13.49
289211CG	—	15	25F6	6-port switchbox	DB25 female (6PCs to 1 printer)	7.6 x 6.0 x 2.5	2.2	23.15	11.21

USB-to-PC Switchbox

310818CG	—	16	USB-2PORT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	\$22.25	\$21.15
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PS/2 Cable

- Use with P/Ns such as 149391CG above

Part No.	Description	1	10
204062CG	6' PS/2 cable	\$16.95	\$15.29

Digital Video Interface Cable

- DVI cable for flat panel LCD monitors and high-end video graphics cards
- Connector: DVI-D single link type
- Length: 6'

Quantity SAVE

Part No.	Description	1	10	100
320346CG	DVI cable	\$13.45	\$11.49	\$9.95
				\$7.46

Mid-Tower Computer Cases

- Classic design
- Easy access side panels
- Excellent cooling options
- Includes power supply
- Perfect for the gamer and enthusiast

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ATX Vertical Full Tower Case

- Slide-off side panel access
- LED indicators for power and HDD activity
- Front panel reset switch and power switch
- Internal 8Ω speaker
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays
- Size: 7.5"W x 16.8"D x 24.5"H
- Weight: 25 lbs.

SALE



Part No.	Description	1	10
292066CG	ATX full tower	\$28.39	\$25.79

Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon/Xoff or hardware handshaking
- RS-232 interface (DB25 female)



Part No.	Description	1	10	25
116581CG	Short haul modem 	\$29.95	\$26.95	\$23.95

USB Fast Ethernet Adapter

- Plug and Play
- IEEE802.3 (10 BaseT) and IEEE802.3 (100 BaseT) specification compatible
- USB Rev 1.0 and 1.1 compatible
- Supports OHCI and UHCI
- 1 upstream USB port and RJ-45 port
- Supports Windows® 98/ME/2000/XP
- Self-powered



Part No.	Description	1	5	10
310797CG	USB-Ethernet Adapter	\$21.69	\$19.55	\$17.55

USB Modem Adapter

This UC-232 USB serial modem adapter provides an external plug and play RS232 modem connection for PCs, notebooks, laptops, and handheld computing devices that support the USB specification.

- Data transfer rate: determined by modem
- Power consumption: 90mA
- Power mode: bus powered
- Size: 3.2"L x 2.2"W x 0.9"H

Includes: DB-25 male connector and USB type A cable

Part No.	Description	1	10
355696CG	USB modem adapter	\$15.45	\$13.95

UTP Ethernet Cable Tester

- Connector type: RJ45 8P8C
- System used: 258A, 356A, AT&T/Ethernet 10BaseT
- Miswire, open, short tests
- Requires:** 9V battery (recommend P/N 151095CG, pg 262)

Includes: Zipper case

Part No.	Size (L x W x H)	1	10
115895CG	4.5" x 2.5" x 1.3"	\$29.95	\$26.95



Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A/568B, token ring, etc.

- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- One-year warranty
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710CG	Modular cable tester	\$84.95	\$76.49

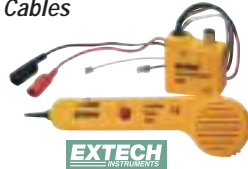


Tone Generator & Amplifier Probe For Tracing Wires & Cables

- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch


Part No.	Description	1	10
198002CG	Tone gen. & amp. probe	\$79.95	\$71.95



Net Toner and Probe Kit

With testing functions such as sending tones, verifying lines, indicating line conditions, identifying tip and ring, providing "talk" battery and testing continuity, you can use this kit on single conductor, twisted pairs, coaxial cables, and non-energized electrical wiring. Connections include alligator clips, RJ45 jacks and RJ12 plugs.

Includes: Padded zipper case w/ belt loop & spare tips

Part No.	Description	1	5
227897CG	Net toner & probe kit 	\$69.85	\$63.50



Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type coax cables.

- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- "F" connector for troubleshooting CATV and coaxial installations
- Size: 3.25"H x 2.0"W x 1.25"D
- Tests installed wiring and jumper cables, shielded or unshielded twisted pair cables (CAT5e/CAT5/CAT4/CAT3)
- Includes 2 AAA batteries
- Tests cable lengths from 3 ft. to 600 ft.

Part No.	Product No.	Price
645634CG	CT100	\$28.49



LANtest Network and Modular Cable Tester

- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/568B and token ring cable, etc.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power

Part No.	Product No.	1	10	50
615136CG	45-5767-0000	\$115.79	\$104.24	\$93.82



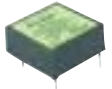
Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Telephone Ringing Generator

Switching inverter that produces low-frequency alternating current to signal telecom ringers or equivalents.

- Series resistor: 300
- Nominal output voltage: 86Vrms
- No reverse polarity protection
- Frequency: 20Hz



Part No.	Product No.	1	10	25
145816CG	LBMR12	\$24.25	\$22.05	\$19.75

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Baud rate: 300 to 38,400bps
- Size: 4.0"L x 2.5"W x 1.0"H
- Stop bits: 1 or 2
- Weight: 0.8 lbs.
- One-year warranty

Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935CG	Bi-converter 	\$49.95	\$44.95	\$33.71




Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps - 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable
- Stop bits: 1 or 2
- Weight: 0.8 lbs.
- Size: 3.8"L x 2.4"W x 1.0"H
- One-year warranty

Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983CG	Serial/parallel converter 	\$48.49	\$44.95



Networking Products

Encore Modems

Built with an advanced Smart Link chipset and features a complete system design that provides data faxing and TAM for 56k dial-up internet access.

Wintec Embedded Modems

Modules can easily be integrated into a host and can provide a low cost communication link to the outside world.

Bytecc Bluetooth

Bluetooth USB Adapter is an external adapter enabling Notebook and Desktop PC through USB interface to communicate wirelessly with other Bluetooth enabled devices.

Edimax Network Switches

Switches for improving the performance of small network or solution for the most powerful high speed network.

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PowerSense™ Power-Over-Ethernet Mid Span Hubs

PowerSense AX-6000 Series

- Current limited for short circuit protection with power isolation of 1500VRMS
- Supplies a full 15.4W for up to 8 devices as per IEEE 802.3af standards
- Two diagnostic LEDs
- Auto detects power requirements for safety and offers transparent 10/100Mb and management operation
- Support for all compliant IEEE 802.3af powered devices
- All chassis products feature a removable US power cord with IEC plug

1 Slot Chassis – with one standard 6500 module installed

Part No.	Product No.	Description	1	5	10
779093CG	AX-6108	8 power & data ports (10/100Mbps)	\$451.25	\$428.69	\$407.25
779106CG	AX-6108-RM	Optional 19" rackmount kit	18.99	18.05	17.15

8 slot chassis with up to three 6500 modules installed

779114CG	AX-6524	24 power & data ports (10/100Mbps)	\$978.15	\$958.99	\$939.99
779122CG	AX-6516	16 power & data ports w/ 1 cover plate	786.59	770.79	754.99
779131CG	AX-6508	8 power & data ports w/ 2 cover plates	599.15	587.07	574.99



PowerSense AX-8000 Series:

- Individual power modules, hot swappable in the 19" rackmount ready chassis, use 1 per powered device
- Current limited for short circuit protection with power isolation of 1kV between ports for safety
- User replaceable fuses for recovery from power surge or lightning damage, quickly repair any module
- 4 diagnostic LEDs
- Removable US power cord with IEC plug
- Mix & match for compatibility with IEEE802.3af or legacy Cisco CDP power devices, 12V or 24V protocol



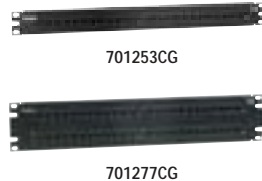
Chassis modules with 10 standard power chassis modules

Part No.	Product No.	Description	1	5	10
779350CG	AX-8310	10 pwr. & data modules, 12V protocol	\$669.75	\$636.25	\$604.45
779368CG	AX-8410	10 pwr. & data modules, 24V protocol	669.75	636.25	604.45
779376CG	AX-8510	10 pwr. & data modules, IEEE802.3af compatible	669.75	636.25	604.45
779384CG	AX-8610	10 pwr. & data modules, Cisco CDP protocol	748.55	734.27	719.99



PS5E HD Patch Panels

PS5E HD patch panels are robust and installer-friendly products by design, combining punch-down connectors and standard modular jacks. They are available in both BIX and 110 insulation displacement connection (IDC) options. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management.



Part No.	Product No.	Description	1	5	10
701241CG	AX100464	BIX patch panel, 1U, 24 port gray, T568A/B	\$99.19	\$94.23	\$89.49
701253CG	AX100465	BIX patch panel, 1U, 24 port black, T568A/B	99.19	94.23	89.49
701265CG	AX100472	BIX patch panel, 2U, 48 port gray, T568A/B	199.99	189.99	179.99
701277CG	AX100473	BIX patch panel, 2U, 38 port black, T568A/B	199.99	189.99	179.99
701289CG	AX100452	110 patch panel, 1U, 24 port black, T568B/A	108.69	103.25	98.09
701294CG	AX100454	110 patch panel, 2U, 48 port black, T568B/A	217.35	206.64	190.65

What is Power Over Ethernet ?

Power over Ethernet or PoE technology adds electrical power transmission to remote devices over standard twisted-pair cable in an Ethernet network. This allows powering IP telephones, wireless LAN access points, webcams, Ethernet hubs, computers, and other appliances where it would be inconvenient or unfeasible to supply power separately. The technology is somewhat similar to POTS telephones, which also receive power and analog data via the same cable. The most important benefit of PoE is that it works with an unmodified Ethernet cabling infrastructure.



Practical Practices
Money Saving Tips for the Engineer



Optimax Tool Kit

Conveniently packaged in a carrying case, this optimax tool kit includes tools, installation instructions and a training video in CD form required to terminate 900um buffered optical fiber and jacketed optical fiber, install LC/SC or ST compatible mode and single mode connectors. Includes: Installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and training video.



Part No.	Product No.	1	5	10
701302CG	AX100497	\$987.75	\$939.47	\$891.19



Angled Management Bar Kit

This angled bar management kit is composed of an angled bar with 4 x management devices each managing 6 cables. The short range installation bracket allows the management bar to be swiveled upward and maintain on the horizontal position and allows installation in tight spaces.



- Retrofittable to any patch panel or patch cord independent of manufacturer or performance
- Compatible to usual cable management solutions
- Swivable and lockable
- Clear label identification

Part No.	Product No.	1	5	10
701310CG	AX102641	\$46.95	\$44.59	\$42.36

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.



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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Network Products, Rack Mount Accessories & Interface Cards

IBM® 8-Port Ethernet Hub

Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via the MDI (uplink) port.

• Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.

Part No.	Description	1	10
226149CG	8-port hub	\$44.95	\$39.95

External 3-Port USB Thumbhub

Expand your single USB port to a stacked 3-port thumbhub.

- USB Revision 1.1 compliant
- LED indicators uplink/down port communication, and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible with Windows® 98/98SE/2000/ME/MAC OS 8.5
- Size: 3.1"L x 0.8"W x 1.2"H

Part No.	Description	1	10
208451CG	3-port thumbhub	\$14.95	\$14.49

RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Input: 110VAC; except P/N 129218CG 220VAC input
- Weight: 0.9 lbs. • One-year warranty

117701CG: port powered (power adapter not included)

• Data rate: 100kbps

122956CG: features RS-485SI; optical isolation: 2000V

129218CG: features 220VAC input

Includes: 9VDC @ 300mA power adapter

Part No.	Description	1	10
117701CG	RS-232-485/422	\$57.95	\$51.95
197931CG	RS-232-485/422	69.95	52.45
122956CG	RS-232-485/422 OPT ISO	119.99	89.99
129218CG	RS-232-485/422 (220 VAC)	42.95	36.95

USB 2.0 Docking Station

- Connects via USB-A port to your laptop
- Size: 4.8"W x 2.5"D x 1.0"H

System Requirements:

- PC with minimum 75MHz Pentium or equivalent; 16MB of RAM minimum, available USB-A port, Windows® 98 or later

Part No.	Product No.	1	5
527822CG	USB 2.0 dock	\$29.95	\$17.49



Network Adapters

Server Adapters

Compatibility tested, and come in a broad range from 10/100 Mbps to 10 Gbps, copper or fiber, in single- to quad-port configurations.

Desktop Adapters

Award-winning line of Ethernet, Fast Ethernet and Gigabit Ethernet desktop adapters designed to extend Gigabit Ethernet performance to the desktop.

Wireless Adapters

PRO/Wireless Network Connection is the integrated Wireless LAN (WLAN) solution for Intel® Centrino™ mobile technology. The Intel PRO/Wireless Network Connection works in concert with other Intel Centrino mobile technology components.

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See Our Complete Intel Networking Offering at www.Jameco.com/Prod/IntelNetwork

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom, sides durable 0.035" steel
- All enclosures have handles except P/N 132813CG

Includes: Mounting screws

Blue Part No. = Limited Quantity Available

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	10
132813CG	1.73	1.25	9.75	6.2	\$39.95	\$35.99
132822CG	3.46	3.00	9.75	7.9	47.95	43.49
132840CG	3.46	2.88	11.75	9.1	53.95	48.59
132847CG	5.22	4.75	11.75	10.6	63.95	55.99
132855CG	5.22	4.75	13.50	11.8	73.95	66.95
132863CG	8.56	8.00	13.50	15.4	94.95	84.95

19" Rack Mount CAT 5 Patch Panels

Our CAT 5 patch panels feature 110D punch blocks that are compatible with KRONE or 110D tool. UL and CUL listed and certified, CAT 5 certified and can be used with T568 A/B installations. Blocks are color coded for T568 color-coding, and easy wire management.

Part No.	Description	1	10
208768CG	12-port patch panel	\$28.99	\$27.55
208784CG	24-port patch panel	42.75	39.95

Relay Rack & Rack Panels

Rack:

- Black powder coat finish
- 10-32 threaded holes
- Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base): 19.8"W x 15.3"D x 84"H
- Dimensional weight: 70 lbs.

19" Wide Panel:

- 10-gauge black steel

Rack screw: • 10/32 screw; 5/8" phillips head (50 ea.)

Part No.	Description	Height	1	10
133751CG	Relay rack	84"	\$159.95	\$147.00
229489CG	Rack panel (2U)	3.50"	10.95	10.35
229500CG	Rack panel (4U)	7.00"	14.55	13.95
229446CG	Rack screw (50 ea.)	—	8.25	7.45

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H

Part No.	Description	1	10
149500CG	Cabinet mount plate	\$39.95	\$35.95

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Size: 19"W x 13"D x 1.75"H
- Weight: 18 lbs.

Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644CG	Rack mount KB drawer	\$249.99	\$234.99

Digital I/O Board TTL Level PCI Bus

- Output: 2.5mA @ 0.45V sink, 2.5mA @ 2.4V source
- 24-bit digital I/O
- Three 8-bit ports

Includes: InstaCal: installation & test utilities software

Part No.	Product No.	1	10
197827CG	PCI-DIO24	\$88.95	\$85.95

PCI GPIB IEEE-488.2 Board

PCI Bus

- 1 MB/s transfer rate
- 1024 word FIFO buffer
- 7 interrupt lines, shared interrupt capability
- IEEE 488.2 standard interface
- Complete talker/listener/controller
- Transparent interrupt enabling/disabling

Part No.	Cross Ref. No.	1	10
171212CG	PCI-GPIB-1M	\$398.95	\$358.95
73154CG	IEEE-488 1 meter cable	36.49	32.79
115781CG	IEEE-488 2 meter cable	37.95	34.19
115801CG	IEEE-488 4 meter cable	38.95	36.19

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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283

Complete Embedded Ethernet and Internet Book

Lakeview Research Learn about networking with embedded systems. Topics include networking basics, hardware options in building a network, using internet protocol in local and Internet communications. (482 pages, 2003)
• Size: 7.0" x 9.0" • Weight: 1.7 lbs.



Part No.	Description	Price
236945CG	Ethernet and Internet Book	\$44.95

Server Chassis



Intel® Server Chassis

Designed and validated for easy, cost-effective integration. A full line-up of pedestal and rack-optimized chassis are available to meet your customers' diverse needs.

Additional Server Chassis available from SuperMicro, Evercase and Wintec

Also available Intel Slim Line Drives

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Graphics Cards

TV Tuner Cards

Allow broadcast TV viewing, stereo FM radio, live video display and video communication on a PC with the finest quality and optimal performance.

Graphics Cards

Revolutionary design that delivers best-in-class performance on today's hottest games & applications.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Graphics Card Offering at www.Jameco.com/Prod/GraphicsCards



Handheld HDTV Pattern Generator

B&K Precision's model 1253 is an affordable HDTV test pattern generator that delivers accurate test patterns for the testing of the most common HDTV displays including Plasma, LCD, TFT, CRT, DLP, GLV and OLED digital display products. The 1253 can display from its HDTV Component (YPbPr) outputs fourteen of the most useful patterns for twelve of the most commonly used video formats (S-Video output patterns provide luminance only). The 1253 displays the most popular formats including 1920 x 1080 30i, 1280 x 720 60p, 704 x 480 60p, NTSC, PAL & SECAM. A unique feature of the 1253 is the Overscan DVD Aspect Ratio pattern. This feature covers the most commonly use aspect ratios used for all movies recorded to DVD media.



- Patterns: SMPTE bars, PLUGE, needle, color bars, cross hatch, DVD Aspect Ratio, raster, multiburst, focus, staircase, window, checker, overscan
- Y output: 1Vp-p into 75Ω
- S-video (SVHS) 5-pin DIN connector
- Power source: 9V battery
- Red LED power indicator
- Size: 5.6"L x 3.1"W x 1.1"H

Part No.	Description	Price
681504CG	HDTV pattern generator	\$595.05

Flat Panel Speaker System

- Built-in amplifier
- Low distortion
- Magnetically shielded
- Designed for multimedia use
- Ultra thin satellite speaker and 3" subwoofer cone type speaker
- Frequency response: 80Hz-16kHz
- Power output: speakers - 1W +1W (RMS) subwoofer - 5W (RMS)
- Front access LED, power, and volume controls
- Size: satellite - 5"W x 7.5"H x 2.5"D subwoofer - 5.75"W x 5.5"H x 6.6"D



Includes: Power adapter

Part No.	Description	1	10
382740CG	Flat panel speaker	\$18.89	\$17.49

480-Watt Multimedia Speakers

- 2 magnetically shielded speakers
- 2-channel stereo amplifier
- Push button type power switch with LED indicator
- Knob controls for volume, bass & treble
- Input voltage: 120VAC
- Size: 5.5"W x 7.0"D x 9.1"H
- Weight: 5.3 lbs.



Part No.	Description	1	10
196066CG	480W speakers	\$39.95	\$35.95

PC Speakers

Perfect for desktop PCs with limited amount of space. Compatible with any desktop PC.

- 3.5mm stereo male plug
- Size: 4.7"H x 3.0"W x 4.0"D



Part No.	Cross Ref. No.	1	5	10
311079CG	5065-5746	\$13.59	\$12.23	\$11.00

Industrial Gooseneck Microphone

- Dynamic
- Unidirectional
- On-Off switch on MIC head
- Flexible gooseneck
- 80Hz-16kHz
- 500Ω impedance
- Sensitivity: -54dB±3dB
- XLR 3-pin female connection



Part No.	Description	1	5
540701CG	Microphone	\$34.79	\$31.29

Push-to-Talk Hand-Held Microphone

- 5 wire
- 500Ω impedance
- For CB & professional communications
- Push to talk
- Unbalanced (TS) plug



Part No.	Description	1	5
540613CG	Microphone	\$12.29	\$11.07

⚡ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Hands-Free Condenser Microphone

- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H
- One-year warranty



Part No.	Description	1	10	50
135247CG	Microphone	\$4.49	\$3.99	\$3.65

Hands-Free Condenser Microphone

- Clip on microphone
- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.7"L x 1.3"W x 0.9"H



Part No.	Description	1	10	100
319759CG	Microphone	\$3.89	\$3.31	\$2.48

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Multimedia Speakers

- Powerful speakers enhance your gaming experience
- Unique techno lighting adds awesome visual effects

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See Our Complete Speaker Offering at www.Jameco.com/Prod/MMSpeakers

E-Mail Desktop Microphone

Add your voice to e-mail messages, with the touch of a button!

This revolutionary desktop device will change the way you use e-mail! Simply press a button and speak into the omnidirectional condenser mic, and the technology does the rest. Included software facilitates file-management, and an optional add-on will even make an MP3 file from your words!



Part No.	Description	Price
315070CG	E-mail desktop microphone	\$41.95

Digital USB Voice Recorder

Pocket "secretary" captures all your great ideas.

Once you begin to use this sleek, feature & accessory-packed tapeless recorder, you'll wonder how you ever got along without it. Record up to 396 addressable messages totaling 9 hours (SP) or 18 hours (LP). They can be meetings, phone conversations, or audio from external devices, all in flawless digital clarity. USB connectivity quickly downloads your recordings to your PC. Included accessories: earphone, external (meeting) microphone, telephone adapter, audio cable, PC software, USB cable, and hand strap.



Includes all the accessories needed!

Part No.	Description	Price
237198CG	USB voice recorder, 9-18 hrs.	\$108.95

AverKey Pro PC-to-TV Converter Box

- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs. • Two-year warranty



System requirements: VGA-based PC, DOS 3.0 or higher, 640KB RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	1	10
167193CG	Video signal pro	\$89.95	\$81.65

ezVID Serial Video Module

The ezVID Serial Video Module gives microcontrollers the ability to generate text and graphic images on monitors, televisions, and similar-type equipment that accept composite NTSC video signals. This is a nice alternative to applications where you don't want to use LEDs and LCDs. The ezVID provides for professional applications such as text messaging, diagnostics and status indication, but is also useful to the enthusiast user for applications in simple video games and graphics. The simple ezVID serial commands allow placement of any built-in or user defined character anywhere on the screen in any one of fourteen colors. An on-board controller and special video chip designed by Multilabs allows simple color video generation with only two asynchronous serial communication lines. The ezVID is compatible with most microcontrollers, including the BASIC Stamp.

- 9600 baud TTL level serial interface
- True bitmap display with no character cells
- 63 built-in standard characters
- Standard composite NTSC non-interlaced video output

Part No.	Description	1	10
355856CG	Serial video module	\$59.95	\$55.95

10" B&W Security Monitor w/ Audio

- EIA format
- 9" viewable screen
- Resolution: 700 line
- Push down front panel for volume and power switch
- BNC jacks for audio/video input
- Input voltage: 120VAC @ 60Hz (2-prong 5' cable)
- Size: 9.3"W x 12"D x 9.1"H



• Weight: 15 lbs.

Includes: Manual

Part No.	Description	1	10
253067CG	10" B/W monitor	\$109.05	\$89.95

5.6" Color TFT Monitor

NTSC Format

- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Size: 6.1"W x 1.2"D x 4.8"H



• Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702CG	5.6" TFT color monitor	\$279.95	\$259.95

4" TFT LCD Monitor

NTSC Format

- TFT color LCD
- Resolution 234 x 383dpi
- Backlight: cold cathode fluorescent lamp
- Power source: 12VDC @ 400mA
- 5" long lead wire with 4-position Molex-type power connector
- Tint color and brightness adjustable
- Size: 4.1"L x 3.3"W x 0.7"H (display)
- Size: 4.7"L x 3.3"W x 1.3"H (unit)



• Weight: 0.7 lbs.

Part No.	Description	1	10
172742CG	4" color LCD monitor	\$159.95	\$149.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

XBOB-NC Video Text Module

XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format.

The command set is nearly identical to that of our popular BOB-3 module (see below), and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- Higher display density; 40x17 characters (680 max.)
- 254 ROM character patterns plus 63 user-definable RAM characters
- Character size control
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Faster & more reliable host communication
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control



Part No.	Description	1	10
283768CG	XBOB video text module	\$189.95	\$179.99
237243CG	9VDC power supply	2.35	2.15
283776CG	Serial cable	9.95	8.95

BOB-3 Video Text Module



BOB-3 is Decade's third-generation low-cost video text overlay module. BOB-3 lets your microcontroller or PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable characters, BOB-3 supports pseudo-graphics and multiple languages. BOB-3 generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control BOB-3 through a fast RS-232 style data link, much like a simple serial printer. BOB-3 is compatible with most microcontroller chips and modules, including the BASIC Stamp.

- Higher display density; 40x17 characters (680 max.)
- Faster & more reliable host communication
- Software-controlled digital outputs (6)
- Improved automatic video mode control
- Stand-alone operation, for simple source ID or fixed
- Character size control reticle applications
- 254 ROM character patterns plus 63 user-definable RAM characters
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)

Part No.	Description	1	10
283733CG	BOB-3 video text module	\$99.95	\$94.95

We're committed to providing you with the best service in the industry.

DigiVue™ Complete Digital Security Video Recording System

Kit includes a PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software with drivers, four 50' video/power cables and 4 power supplies for the camera.



EDV-XV425 Video Capture Card:

- 60 fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-channel video and 1-channel audio
- Supports real time WAN/LAN and internet monitoring

EC-624 Outdoor Color Day/Night Camera:

- 1/4" CCD imaging chip • 30 feet IR range
- 0.1 lux sensitivity • Built-in electronic iris control
- 420 TV line resolution • 6mm lens with F2.0

ECMD-01 Micro Dome Color Camera:

- CMOS imaging chip • Clear dome
- 380 TV line resolution

Part No.	Product No.	1	10
639584CG	EDV-XV425 kit	\$449.99	\$405.00

VISEC Home Office Security System

Turns your PC into a powerful, global-wide surveillance system in 5 minutes or less.

- Watch live or recorded video from anywhere in the world via the Internet
- Record months of video at a time
- Record when motion is detected, incrementally or continuously
- Be alerted when intruder enters with a picture to your cell phone, PDA or email address
- Supports multiple cameras including: webcams, spycams, wireless and IP based network cameras



Minimum system requirements: Windows® 95/98/ME/NT/2000/XP

Part No.	Description	1	10
404531CG	Security system	\$150.99	\$139.00

DigiVue™ Digital Surveillance System

This high-speed PCI video capture card comes with 4 video inputs, 1 audio input that provide & super digital images from multiple cameras and remote surveillance. Add up to 4 cards per system controlling up to 16 cameras.



- Input signal: 4 video, 1 audio channel
- Watermark time and date stamp
- Display and record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/VDRAM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No.	1	10
639568CG	EDV-XV425	\$94.95	\$85.46

14" Color CCTV Monitor

- NTSC/PAL switchable
- Operating frequency: EIA - 15750Hz/60Hz; CCIR: 15625Hz/60Hz
- Input voltage: 100 - 240VAC @ 50/60Hz
- Input signal: CVBS - 1Vp-p (typical); Y/C separation - 1Vp-p
- Input impedance: hi/lo impedance (switchable)
- Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in/YC out)
- Audio in/out channel: 2 inputs/2 outputs
- Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV/YC) switches
- CRT dot pitch: 0.63mm
- Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in/YC out)
- Audio in/out channel: 2 inputs/2 outputs
- Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV/YC) switches
- CRT dot pitch: 0.63mm
- Power consumption: 70W
- Resolution: >420 lines
- Size: 13.8"W x 14.4"D x 12.6"H • Weight: 31.9 lbs.
- CRT: 14" diagonal



Part No.	Mfr. Part No.	1	10
320119CG	15-MC14A	\$277.39	\$249.65

Self-Contained Security System

The ABS-100+ security system is a self-contained system which is comprised of a control panel, motion sensing device, a 115dB siren all built-in inside an easy to mount steel cabinet. Mounted to a ceiling, infrared motion sensor can sense up to 12 feet high and 30' wide. Two remote controls are provided for easy arming and disarming of the system. The power supply can either be plugged into an outlet or mounted inside the control compartment for applications where hard-wire with electrical conduit is required. A 12VDC auxiliary power is provided as well. Input terminals are provided to wire optional window and door switches, remote sensing devices and more. An output is also provided with an onboard relay providing you with a 5A N.O./N.C. contact which is activated when the unit is triggered. Use in sheds, storage rooms, hallways, stairwell landings, and so on.



- Heavy gauge steel cabinet • 115dB siren
- Passive infrared motion detection
- Size: 9.0"W x 9.0"D x 7.25"H
- Weight: 11 lbs. (without battery)

Part No.	Product No.	1	10
681213CG	ABS-1000+	\$169.95	\$161.45

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Black and White CCD Camera with 6" Monitor

Camera: EIA Format

- 512(H) x 492(V)
- 1/3" CCD image sensor
- 420 TV lines
- 6 IR LED light for view in the dark applications
- Min. illumination: 0 lux with LED; 0.1 lux without LED
- Signal & noise ratio: >48dB • Built-in audio function



Monitor: EIA Format

- 6" Monitor with auto switching audio/video input; auto switching time selectable (2 to 20 seconds auto cycling)
- 2-channel audio/video input, 1-channel audio/video synchronous output
- Contrast, brightness and V frequency adjustment at the back of the monitor
- Auto switching time selection, volume adjustment button on front panel
- Time (seconds) scale display in front panel
- Size: 6.6"W x 5.5"H x 7.5"D

Includes: camera with bracket, cable 13.5VDC @ 1.2A power supply

Part No.	Description	1	10
639613CG	Camera with monitor	\$122.55	\$110.30

USB Color Camera with Built-In Illuminator

Just connect this camera into your computer's USB port, install the included software and you are ready to be seen on the web.

- 1/3" CMOS digital sensor
- 6mm lens • 350k pixels
- Still image: 640 x 480 • View angle: 62°
- Min. lux: 0 (w/ IR illuminator) • USB powered
- Slide bar hue, contrast and brightness control
- Auto or manual exposure, gain and white balance adjustments • 380 line resolution
- Frame rate: 15fps @ 640 x 480 res.; 3fps @ 160 x 120 to 352 x 288 res.

Includes: CD ROM software and drivers

Part No.	Product No.	1	10
639576CG	EC-PC-CAM	\$47.45	\$42.71



High Resolution Security Monitors

Speco solutions for your security monitoring needs. Both have metal cabinets, front controls, and are UL listed.

541000CG:

- 12" B/W monitor
- 800 line resolution
- Video input/output looping; no audio



541000CG

541018CG:

- 17" color monitor
- 520 line NTSC/625 line PAL resolution
- Auto detect system
- 2 BNC input/output
- 1 RCA input/output



541018CG

Part No.	Product No.	1	5
541000CG	VM-1201B	\$141.55	\$127.39
541018CG	VM-1705C	\$48.09	\$493.26

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Black and White Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420TV lines
- Min. illumination: 0.1 lux
- Horizontal freq.: 15.734kHz
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- Clock freq.: 19.0699MHz
- Scanning system: 2:1 interlace
- Electronic shutter: 1/100,000 sec.
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight compensation and auto-gain control selectable
- Power requirements: 12VDC @ 100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H
- S/N ratio: 48dB
- Weight: 0.8 lbs.



Part No.	Description	1	10
245041CG	Black & white CCD camera	\$99.95	\$89.95

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- S/N ratio: 52dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable
- Auto-tracing white balance
- 2X digital zoom
- Power requirements: 12VDC @ 150mA
- Size: 5.0"L x 2.0"W x 2.0"H
- Weight: 0.8 lbs.



Part No.	Description	1	10
395461CG	Color camera	\$103.35	\$93.89

Waterproof Tube-Style IR Color Camera

NTSC Format

- For indoor and outdoor use
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 420 horizontal line resolution
- 59.94Hz vertical frequency
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- Internal synchronization
- S/N ratio: >48dB
- Up to 1/100,00 sec. electronic shutter
- Auto white balance and gain control
- 880 ~ 940nm infrared wavelength
- Video output: 1Vp-p, 75Ω
- 4.3mm lens with F1.8
- Size: 2.1"Dia x 3.8"L



Requires: 12VDC @ 160mA power supply (recommend P/N 162996CG, pg 251)

Includes: Mounting hardware

Part No.	Mfr. Part No.	1	10
319901CG	15-CM25WM	\$189.05	\$184.29

Night Vision Infrared Lighted Camera

EIA Format

Quantity SAVE

- Adjustable camera lens
- Auto iris controlled
- Built-in voltage regulator
- Horizontal synch. frequency: 15.734kHz
- 6 infrared LEDs for night vision
- Scanning system: 2:1 interlace
- Video output: 1Vp-p; 75Ω
- Audio output: 2Vp-p max.
- FOV: 92°
- Matching conn.: RG59 BNC (P/N 71271CG, pg 163)
- Size: 2.9"L x 2.0"W x 2.0"H
- Lens: 3.6mm
- 380 TV line resolution
- 0.1 lux with F2.0
- Weight: 1.2 lbs.



Includes: 12VDC @ 500mA power supply and wall mounting bracket

Part No.	Description	1	10
150404CG	Infrared lighted camera	\$119.95	\$89.96

Color Interline Camera

Water Resistant with Adjustable Mounting Bracket

- EIA format
- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω
- S/N ratio: 40dB
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply
- Size: 2.6"L x 0.9"Dia.
- FOV: 530



Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017CG	Color camera	\$99.95	\$89.95

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system with 510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω
- 330 TV lines



Requires: 12VDC @ 120mA power supply (recommend P/N 163993CG, pg 252)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436CG	Enclosed color camera	\$179.95	\$161.95

2.4GHz Wireless Weatherproof Color Camera with PIR

NTSC format

- For indoor and outdoor use
- 1/4" CCD image sensor
- 380 horizontal line resolution
- 3 lux with F2.0; 0.5lux with F1.2
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max
- Transmitter output power: 10mW
- Output impedance: 50Ω typical
- Pulse counter w/ automatic reset
- Size: 4.2"W x 5.0"D x 4.8"H



Lower \$\$\$

Includes: 12VDC @ 500mA power supply and mounting hardware

Part No.	Mfr. Part No.	1	10
319871CG	15-2400CTH	\$212.89	\$195.25
		\$195.25	\$180.25

Mini Dome Color Camera

NTSC Format

- Perfect for ceilings
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 330 horizontal line res.
- S/N ratio: 46dB
- 15.73kHz horizontal synch. frequency
- Scanning system: 2:1 interlace
- Up to 1/96,000 second electronic shutter
- 3.6mm lens with F2.0
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 160mA (recommend P/N 162996CG, pg 251)
- 2 lux/F2.0
- FOV: 92°
- Size: 3.5"Dia. x 2.3"H



Quantity SAVE

Includes: Mounting hardware

Part No.	Description	1	10
171037CG	Mini-dome camera	\$139.95	\$104.96

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SONY®

Black & White Low-Light Camera

Sony Chipset

- Signal to noise ratio: >48dB
- Requires 12V power source (not included)
- 6" wires with 4-pin Molex-type keyed connector
- EIA system 537(H) x 505(V)
- Temp. tolerance: -5°C to 40°C
- Lens: 3.6mm
- Composite output with 420 line resolution
- Shutter speed: 1/60 - 1/1000
- FOV: 92.6°
- Video output: 1.0Vpp composite video/75Ω
- Size: 1.3"L x 1.3"W x 1.0"H
- One-year warranty



Part No.	Description	1	10	25
150931CG	Camera board ...	\$69.15 \$61.89	\$58.80	\$55.97
159071CG	8mm lens 38.6"	16.15	15.39	11.54

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Scanning system: 2:1 interlace
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996CG, pg 251)
- Video output: 1Vp-p, composite video 75Ω
- Size: 1.3"L x 1.3"W x 1.2"H
- S/N ratio: 46dB
- Power consumption: 110mA
- FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)



Part No.	Description	1	10
171029CG	Camera board	\$44.95	\$40.45

Color CMOS Camera Board

NTSC Format

- 1/3" image sensor
- 5.0 CMOS lux
- FOV: 92°
- 3.6mm lens/F2.0
- 330 TV lines
- Low power consumption
- Automatic exposure, gain and white balance
- Size: 1.0"L x 0.9"W x 1.1"H



Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
171011CG	Camera board	\$77.65	\$69.89

Mini Wireless Color Camera

Now you can place a color video camera with sound almost anywhere! This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150-foot (unobstructed) range, light weight, and 9-volt battery power, you can now add video capability to a world of hobby applications.



Part No.	Description	1	10
249025CG	Wireless color camera	\$89.95	\$80.95

Cable Assembly (75Ω RG59/U BNC - BNC)



Part No.	Length	1	10	50	100
262730CG	25'	\$9.95	\$8.95	\$8.05	\$7.25
262748CG	50'	17.05	16.25	15.45	14.69
262764CG	100'	30.39	28.89	27.45	25.99

For additional BNC Cables see pages 121 & 163.

4-Channel 2.4GHz Wireless Audio/Video Transmitter System

CCIR, NTSC, PAL, EIA Format

- ISM Band: 2.413 - 2.470GHz
- Four selectable transmitter and receiver channels
- Antenna mode: dipole (omnidirectional)
- Impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- Weight: 3.2 lbs.



Includes: Two 9VDC @ 300mA with 1.3mm x 3.5mm center positive plug, and two 2.5mm male to RCA patch cables

Part No.	Description	1	10
265308CG	4-ch. wireless system	\$149.95	\$134.95

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 watt
- Video input: 1Vp-p
- Audio input: 2Vp-p
- Size: 2.4"L x 1.9"W x 1.4"H



Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

- For use with 2.4GHz cameras, transmitters and receivers
- Gain: 3dB; unidirectional

Part No.	Description	1	10
289852CG	Wireless audio/video tran.	\$199.95	\$149.96
179864CG	2.4GHz SMA RF antenna	13.65	10.24
179872CG	Wireless extension cable	10.99	9.89

4-Channel 2.4GHz Wireless Audio/Video Receiver and 10mW Transmitter

Make your camera wireless up to 492 feet!

- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- RCA jacks for audio and video connectors

192858CG



192866CG

Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection and freeze channel
- Mute and alarm trigger port
- Weight: 1.8 lbs.
- Size: (transmitter) 4.5"L x 3.2"W x 1.0"H
- Size: (receiver) 6.5"L x 5.5"W x 1.4"H

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858CG	4-channel transmitter	\$94.45	\$85.05
192866CG	4-channel receiver	124.95	112.95

Check the performance of your wireless security systems with the ZAP checker - page 301.



4-Channel Digital Video Multiplex Recorder

Record and monitor your security surveillance system with this 4-channel digital video multiplex recorder. Connect 4 cameras to this recorder, attach a monitor for viewing features, and connect your PC through the RS-232 interface to operate the recorder. Attach a RJ-45 cable for network connection, and install 1 or 2 hard disk drives to the recorder.



- TCP/IP with client software web interface
- Conventional VCR back up, remote back-up using TCP/IP, or internal back-up
- Plug and play
- RS-232C, RS-485, 4-alarm input, 1 relay output
- Pan, tilt, zoom, and focus camera control

Video I/F

- 4-channel input, 1Vp-p, 75Ω unbalanced BNC type connectors
- 480 TV lines
- 16.7 million colors
- S/N ratio: >48dB
- 4 output (BNC/SVHS/VGA type)

Monitoring Method

- Split screen (full/quad display), zoom, PIP, sequence
- Screen quality: full screen - 720(H) x 480(V) active pixels; 1/4 screen - 360(H) x 240(V) active pixels

Recording/Playback Function

- 30 frames/sec. maximum
- JPEG compressed picture
- Quad screen recording or field switcher method
- Real time/time lapse/event record mode
- Search/still track play

Includes: Remote control, 12VDC @ 4.16A power supply, manual and software in CD-ROM

Part No.	Mfr. Part No.	1	10
320127CG	15-DVR04SAE-LAN	\$597.65 \$565.25	\$537.55

Single Camera Digital Video Recorder



NTSC/PAL inputs from one camera. Records up to 20 pictures/second at a resolution of 720 x 240 or 360 x 240. Search by date, time, camera and alarm.

- 40GB HDD using MJPEG compression
- NTSC real-time display and motion (activity) detection
- Multiple recording modes
- Alarm input and output
- 12VDC power supply included

Part No.	Product No	1	5
540648CG	DVR-X1	\$521.65	\$469.49

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Dual Page Color Quad Processor

- Signal format: NTSC/PAL color
- Display rate: 6-fps/50 fps
- No. of video input channels: 4 with loop
- Alarm input: 8
- Video inputs: 1Vp-p, 75Ω
- Video outputs selectable: 1Vp-p 75Ω (full screen or quad)
- Memory 1024 x 512
- Switching interval: 1 to 99 seconds
- Date time generator
- 7-character titles
- BNC video connectors
- Zoom definition: 2 x 2
- Size: 16.9"W x 1.8"H x 8.5"D



Part No.	Product No.	1	10
638240CG	15-QC43	\$242.25	\$218.05

Two-Station Wired Intercom

- Two-station, single-channel wired intercom. Push-to-talk and call buttons, on/off volume control, LED status indicators, and integrated solid state circuitry.
- Size: 3.25"H x 4.5"W x 1.25"D
- Includes: 9V battery and 50 foot cable



Part No.	Product No.	1	5
540437CG	BI-2SD	\$26.79	\$24.10

Audio Video Selector

- Auto audio/video selector with S-VHS inputs
- Automatically redirects signal to display active signal source
- 12VDC @ 200mA power supply included



SALE

Part No.	Mfr. Part No.	Size (WxDxH)	1	10
319142CG	200-465	9.7" x 5.9" x 2.1"	\$54.95	\$39.79 \$35.81

Megaphones with Shoulder Straps

- M10M:** 10W handheld megaphone
 - Range: 200 meters
 - Size: 6.5"Dia. x 10.3"L
 - Power supply: 4 x 1.5V size D batteries (not included)
- M25SM:** 25W handheld megaphone
 - Range: 600 meters
 - Separate microphone with lock function
 - Choice between siren and speech
 - Microphone sensitivity: ±36dB
 - Frequency response: 500Hz to 8kHz
 - Power supply: 8 x 1.5 size D batteries (not included)
 - Size: 9" Dia. x 14"L



Part No.	Product No.	1	5
645431CG	M10M	\$52.85	\$50.19
645440CG	M25SM	85.45	81.19

Mini Indoor Pan & Tilt Mechanism

- Continuous Pan**
 - Automatic scanning: 0° – 355° angular travel; pan clockwise and counter-clockwise
 - Manual tilt: 0° - 90°
 - Pan speed: 5°/sec.
 - Maximum load: 4.4 lbs.
 - Power consumption: 1 watt
 - Size: 2.5"Dia. x 2.4"H
 - Weight: 0.4 lbs.
 - Warranty: 2 years continuous use



Camera not included

Includes: 24V @ 150mA power supply, wall mount bracket and mounting hardware

Part No.	Description	1	10
215407CG	Mini pan/tilt	\$49.95	\$37.46

SMK RF Modulator

- Output frequency: NTSC Ch. 3/4, switch selectable
- 12VDC RF modulator
- Operating voltage: 12V @ 50mA max.
- Video modulation: 1.0V p-p
- RF output impedance: 75Ω (F type connector)
- Audio FM deviation: 1.4V p-p
- PC connections: solder tab connectors
- Size: 1.7"L x 1.7"W x 0.7"H
- Manufacturer No.: WMN2144-01



SALE

Part No.	Description	1	5	10
141639CG	RF modulator	\$2.15	\$1.93	\$1.74

Audio/Video Adaptor

CAT 5 UTP

- Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable
- Support both NTSC or PAL video signals
- Built-in impedance matching device and filter for video and audio signal transmission
- Use with existing wiring and wall jacks for easy and cost effective installation
- Video transmission distance: 1000' color/2000' black/white
- 210471CG/311124CG:**
 - Signal pair: video (BNC), CAT pair 1 (RJ45)
- 220880CG:**
 - Signal pairs: video (BNC), CAT pairs 4(RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)



Includes: Mounting hardware

Part No.	Description	1	10
210471CG	BNC/RJ45 w/ cable	\$25.95	\$19.46
311124CG	BNC/RJ45	19.35	14.51
220880CG	BNC/RJ45	42.95	32.21

Outdoor Metal Camera Enclosures

- Plate glass: 3mm thick
- Outdoor use
- 170931CG: without heater**
 - Clear window area: 2.5"W x 2.3"H
 - Max. camera size: 4.0"L x 2.4"W x 2.4"H
 - Size: 16.0"L x 4.9"W x 4.9"H
 - Weight: 2.8 lbs.
- 170940CG: w/ heater (keeps optics from fogging)**
 - Clear window area: 3.5"W x 3.1"H
 - Max. camera size: 6.5"L x 3.2"W x 3.2"H
 - Size: 11.0"L x 3.6"W x 3.6"H
 - Weight: 6.8 lbs.



Part No.	Description	1	10
170931CG	Camera housing	\$28.45	\$21.34
170940CG	Camera housing w/ heater	62.95	50.95

Indoor Metal Camera Enclosure

- Clear window area: 2.2"W x 1.8"H
- Maximum camera size: 7.1"L x 2.6"W x 2.4"H
- Overall size: 11.7"L x 3.1"W x 2.7"H
- Weight: 1.5 lbs.



Part No.	Description	1	10
310691CG	Camera housing	\$27.49	\$20.62

SVGA Monitor Splitters

Duplicate a video signal from one source to monitors up to 210' away.

- Suitable for SVGA, VGA & multisync monitors

176866CG: 2-channel

- 1 HDDB15 male connector from PC to box; 2 HDDB15 female connectors from box to monitors



176866CG

133866CG: 4-channel

- Size: 6.6"L x 3.3"W x 1.1"H
- Weight: 1.4 lbs.
- Slide switch for video signal gain control
- Daisy chainable
- One-year warranty
- Size: 8.8"L x 6.0"W x 1.9"H
- Weight: 3.6 lbs.



133866CG

Includes: Power adapter and manual

Part No.	Description	1	10
176866CG	2-ch. monitor splitter	\$49.95	\$37.46
133866CG	4-ch. monitor splitter	59.95	51.66

Video RF Modulator w/ S-VHS Input

Designed to convert separate audio and video signals from various video components.

- RF outputs: 3 or 4 channel switch selectable
- RF output impedance: 75Ω
- Video input impedance: 75 or 1kΩ
- Audio input impedance: 13 ±-3kΩ
- TV to antenna insertion loss 50 – 806MHz: -2dB
- Video carrier output level: 69dBuV



Part No.	Mfr. Part No.	Description	Price
319062CG	203-101	Video RF modulator	\$14.95

CCTV Power/Video Extension Cables

Power and video signal in one multipurpose cable! BNC to RCA. Available in 25, 50, and 150 foot lengths.





Part No.	Product No.	1	5
540453CG	CBL-25BB	\$10.69	\$10.53
540461CG	CBL-50BB	13.35	12.70
540445CG	CBL-150BB	23.05	20.71

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Mount your Video Camera almost anywhere

As steady as a tripod, the Window Camera Mount lets you anchor that video camera to any glass surface at any height.



Mount your video or CCTV camera on any window or other non-porous surface, and capture what you've never been able to before. This heavy-duty metal mounting bracket attaches securely to any glass surface with a strong lever-activated 3.25" neoprene suction cup. Mount your camera onto the tripod-style screw. Adjust to any position, and you're ready to shoot hands-free. It's perfect for temporary surveillance of your business or home. For cameras up to 3 lbs.

Part No.	Description	1	5
222746CG	CCTV camera window mount	\$32.49	\$29.25

Mounting Brackets for Enclosed Camera

- Material: plastic
- Base mounted w/ 3 screws
- Swivel angle: 360°
- Tilt angle: 90°
- For use w/ enclosed cameras (P/N 150404CG, pg 287)

171002CG:	Ivory
170982CG:	White

Part No.	Max Load (lbs.)	Ht. (in.)	1	10
171002CG	11 lbs. Ⓢ	6.4	\$4.69	\$3.99
170982CG	6.6 lbs. Ⓢ	2.0	5.49	4.12

Camera Mounting Bracket

- Aluminum construction (white coated)
- Maximum load: 6.5lbs.
- Overall height: 5.1"
- Base diameter: 1.8"
- Swivel angle: 360°
- Tilt angle: 120°
- Base mounted w/ 3 screws (included)

Part No.	Description	1	10
311191CG	15-B009 Ⓢ	\$6.65	\$6.19

Heavy Duty Camera Mounting Bracket

- Steel construction (white coated)
- Maximum load: 22 lbs.
- Overall length: 11.2"
- Base size: 3.8"L x 33.3"W
- Swivel angle: 360°
- Tilt angle: 90°

Includes: Base mounted w/ 3 screws

Part No.	Mfr. Part No.	1	10
320151CG	15-B006 Ⓢ	\$16.65	\$12.49

Ⓢ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Honeywell

Receptacle & Multimedia Wall Outlets



Coax • Single RG6

Part No.	Product No.	Color	1	10
636818CG	REC-101CA	Almond	\$1.03	\$0.98

RJ-11 Telephone • Single RJ-11

Part No.	Product No.	Color	1	10
636842CG	REC-101TA	Almond	\$1.08	\$1.02
636877CG	REC-101TW	White	1.08	1.02

RJ-45 Telephone/Data • Single RJ-45

Part No.	Product No.	Color	1	10
636834CG	REC-101T5W	White	\$3.59	\$3.41
636826CG	REC-101T5A	Almond	3.59	3.41

RJ-11 Telephone Hanging • Single RJ-11

Part No.	Product No.	Color	1	10
636869CG	REC-101THW	White	\$2.19	\$2.05
636851CG	REC-101THA	Almond	2.19	2.05

Two Port Multimedia • RJ-45 and RG6

Part No.	Product No.	Color	1	10
636885CG	REC-102A	Almond	\$4.59	\$4.34
636893CG	REC-102W	White	4.59	4.34

See page 287 for our Enclosed Cameras.

Accessories

Icons for CAT5 Inserts

Part No.	Product No.	Description	1	10	100
636092CG	IIDT	Computer data icons	\$2.29	\$2.07	\$1.88
636105CG	IITP	Telephone/voice icons	1.85	1.76	1.67

CAT5e Bezel • Pack of 10

Part No.	Product No.	Description	1	10	100
636113CG	INS-BZ50	Orange bezel for CAT5e	\$0.26	\$2.46	\$2.21

CAT5e Bezels • Pack of 10

Part No.	Product No.	Description	1	10	100
636121CG	INS-C5P	RJ45 w/ blue bezel	\$3.05	\$2.90	\$2.75
636130CG	INS-C5RA	RJ45 w/ almond bezel	3.19	3.02	2.87
636148CG	INS-C5RW	RJ45 w/ white bezel	3.19	3.02	2.87

RG6 Connectors w/ Bezel • Pack of 10

Part No.	Product No.	Description	1	10	100
636156CG	INS-CXP	RG6 w/ bezel	\$0.88	\$0.83	\$0.79
636164CG	INS-CXRA	F conn. w/ almond bezel	.99	.94	.89
636172CG	INS-CXRW	F conn. w/ white bezel	.99	.94	.89

Mini Alarm Siren

- Sound pressure: 108dB
- Output frequency: 3000Hz
- Rated: 2-12VDC @ 300mA
- Adjustable mounting plate
- 16" color coded connector wires, tinned
- Size: 2.8"Dia. x 2.5"L

Part No.	Description	1	10	50
148152CG	Alarm siren	\$8.95	\$7.99	\$6.35

Notebook Computer Security Cable

This security cable uses a unique lock slot that is built into most of today's leading notebook computers. Your computer probably have the built-in security lock slot at the side of your computer. Safeguard your laptop, desktop and other valuable equipment.

Part No.	Description	Length	1	10
355573CG	Security cable	6 ft.	\$26.85	\$24.19

Honeywell

Future Smart Distribution Panels and Modules

AN-100 Basic Distribution Panel

Designed for installations where space is a premium. This economical panel provides distribution of voice and video signals throughout the home.

- Triple gang install ring and cover
- Video distribution: 1 line to 4 locations
- Telephone distribution: 4 lines to 6 locations (110 punch down)
- Size: 6.5"W x 4.75"H
- Coax distribution: 1 in, 4 out
- Supports cable type CAT3, CAT5 or CAT5e twisted pair, RG59 or RG6 coax cable



Part No.	Product No.	1	10
635882CG	AN-100	\$32.55	\$30.91

MDT-122P/MDT-124P Telephone Distribution Modules

These versatile, full featured telephone distribution modules are designed to provide user-friendly management and control of telephone and data signals throughout the office or home. With built-in surge suppression, your phones and modems will be protected against bothersome power surges and spikes. These modules distribute signals to phones, fax machines, answering machines, caller ID's, and computer modems. High quality broadband designs and components are used throughout, assuring quality distribution from source to receiver.

- Module size: 12" (requires two expansion bays)
- Input: 2 pairs (2 lines)
- Output: 11 locations (12 when used with KSU)
- Wire: CAT3, CAT5 or CAT5e UTP
- Max. line voltage: 280V
- Max. surge amperage: 200A • Standard: USOC
- Protection modes: TG, RG • UL497A rating
- Category A ringwave (L-N) 200A: 300V

MDT-122P:

- Input: 2 pairs (2 lines)
- KSU/PBX interface: one 25-pair Amphenol/Telco connector

MDT-124P:

- RJ31x port for a quick and convenient connection to a security system
- Comes standard with the QNP6X, QNP12X and QNP18X distribution panels
- Input: 2 pairs (2 lines) • RJ31x port
- KSU/PBX interface: two 25-pair Amphenol/Telco connector



Part No.	Product No.	Description	1	10
636412CG	MDT-122P	11 outputs	\$82.35	\$78.24
636439CG	MDT-124P	11 outputs, RJ31x	163.85	155.64

Place your order by 6PM EST for same business-day shipment.

MDT8-RJ/MDT16-RJ Telephone Distribution Modules

These telephone distribution modules are versatile, full featured modules designed to provide user-friendly management and control of telephone and data signals throughout the office or home. A built-in RJ31x port provides a quick and convenient connection to a security system. These modules distribute signals to phones, fax machines, answering machines, caller ID's, and computer modems. High quality broadband designs and components are used throughout, assuring quality distribution from source to receiver.

- Module size: 6" (requires one expansion bay)
- Input: 4 pairs, 110 punch down blocks
- Output: 8 locations (MDT8-RJ) 16 locations (MDT16-RJ), RJ-45 and an RJ31x port
- Standard: USOC • Wire: CAT3, CAT5 or CAT5e UTP



Part No.	Product No.	Description	1	10
636463CG	MDT8-RJ	8 phone outputs	\$33.39	\$31.69
636447CG	MDT16-RJ	16 phone outputs	48.45	46.01

MDX-48300/MDX-88300 Coax & Telephone Distribution Modules

These modules provide distribution of voice, data, and video signals throughout the office or home.

- Module size: 6" (requires one expansion bay)
- Coax bandwidth: 1GHz
- Coax forward path: 54 – 1000MHz
- Coax return path: 5 – 40MHz
- Telephone inputs: 4 lines, 110 punch down block
- Telephone outputs: 8 locations, 110 punch down block, and an RJ31x port
- Coax inputs: 1 TV/CATV, 2 pass-throughs for SATV & CCTV
- Supported cable: CAT3, CAT5 or CAT5e twisted pair, and RG59 or RG6 coax cable



Includes: RJ31x port for a security system

MDX-48300: with QND-4800 distribution panel

- Video distribution: 1 line to 4 locations
- Coax output: 4 locations

MDX-88300: with QND-8800 distribution panel

- Video distribution: 1 line to 8 locations
- Coax output: 12dB amplifier to 8 locations

Part No.	Product No.	Description	1	10
636471CG	MDX-48300	4 coax outputs	\$40.19	\$38.18
636498CG	MDX-88300	8 coax outputs	46.39	44.05

MDT-124HB Punch Down Telephone Module for KSU

12-Port, 4 Line

- 12 110-punch down blocks which distribute four incoming lines to 12 locations
- 6" form factor



Part No.	Product No.	1	10
636421CG	MDT-124HB	\$40.19	\$38.18

MDT-083P Telephone Module

8-Port, 3-Line

RJ-11 harmonica style twisted pair module is designed to work with Panasonic Key Service Units (KSU) that require a three pair connection

- 6" form factor



Part No.	Product No.	1	10
636404CG	MDT-083P	\$81.45	\$77.33

MDRP-114 Web Safe Internet Router

The MDRP-114 Cable/DSL fire-wall internet router provides internet security for homes and small offices. With



keyword and website parental control, parents can block websites that contain offensive content. The MDRP-114 also allows parents to control when and how long the internet is used. The router includes network address translation (NAT), which provides the first line of defense against computer hackers. Additionally, the router will keep a record or attempts to access restricted material or websites, or attempts to hack into your computer, and notify you via email. This will also allow you to share high speed cable/DSL internet access with as many as 253 users.

- 4 RJ45 10/100 auto switching ports
- DHCP (dynamic host configuration protocol) for simplifying LAN configurations
- Hub size: 6.25"W x 4"D x 1.25"H single height (requires one expansion slot)
- Routing protocols: TCP/IP, RIP-1, RIP-2, NAT, DHCP, PPTP, PPPoE, IPSec
- Power adapter: 12VDC @ 1.2A
- 5 RJ-45 ports with 1 cascade RJ-45 port
- Interface: LAN – 10BaseT or 100BaseTX; WAN 10BaseT

Part No.	Product No.	1	10
636383CG	MDRP-114	\$196.85	\$186.96

Honeywell

Security & Custom Electronics

Quicknetwork Panels Provide customizable solutions for every lifestyle.

Entry Level Panels Design for applications where space is limited.

Multimedia Cable

Connects distribution panels to multimedia wall outlets located throughout your home.

Options for Connecting Video, Entertainment Systems, Security, Telephone, Automation & Home Office

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Honeywell Offering at www.Jameco.com/Prod/Security



Extech MN35
• 2000 count
• 5 functions
• Temperature function



P/N 645618CG
\$18.99

Sizes shown
are for relative
comparisons.



Mastech M300
• 2000 count
• 6 functions
• Extremely low cost



P/N 220812CG
\$9.79

Pocket
Sized



Velleman DVM850BL
• 2000 count
• 6 functions



P/N 355207CG
\$16.75



Jameco JE110
• 2000 count
• 6 functions
• 100µV resolution



P/N 119212CG
\$19.95

Pocket
Sized



BP-1562
• 2000 count
• 6 functions



P/N 318781CG
\$9.95

A Jameco
EXCLUSIVE



Mastech MAS830L
• 2000 count
• 7 functions
• Continuity test



P/N 220759CG
\$13.95

Basic Measurement Functions

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)	
645618CG	Extech MN35	2000	5	100µV	200m - 600	200 - 600	200m - 10	—	200 - 20M	—	—	
220812CG	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—	
355207CG	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—	←
119212CG	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—	
318781CG	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—	
220759CG	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—	
220741CG	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—	
27116CG	BenchPro BP-1206	2000	8	100µV	200m - 1000	200m - 700	20µ - 10	20µ - 10	200 - 20M	—	—	
197958CG	Extech MV110	2000	8	100µV	200m - 1000	200m - 750	20µ - 10	20µ - 10	200 - 200M	—	—	
27115CG	Metex M3800	2000	8	100µV	200m - 1000	200m - 700	20µ - 20	20µ - 20	200 - 20M	—	—	←
220775CG	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—	
645571CG	Velleman DVM890F	2000	11	100µV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20µ	—	
182035CG	Fluke 73-III	3200	9	100µV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M	—	—	
220767CG	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—	
645626CG	Extech EX330*	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—	
216514CG	Metex ME-31	4000	10	100µV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	—	—	
692502CG	Extech DM110	4000	10	100µV	0 - 500	0 - 500	0 - .40	0 - .40	400 - 40M	0 - 200µ	—	
211650CG	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—	←
117373CG	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—	
137462CG	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—	
117372CG	Metex M3850D	4000	14	100µV	400m - 1000	400m - 750	400µ - 20	400µ - 20	400 - 40M	4n - 400µ	—	
215589CG	Metex M3890D	4000	15	100µV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200µ	—	

* with non-contact voltage detector (100-600VAC range)

DMMs continued on pages 294-295.



Velleman DVM890F
• 2000 count
• 11 functions



P/N 645571CG
\$36.95



Fluke 73-III
• 3200 count
• 9 functions
• Autorange/frequency
• Analog bargraph



P/N 182035CG
\$189.89



Mastech MY68
• 3260 count
• 12 functions
• Autorange
• Analog bargraph



P/N 220767CG
\$35.95



Extech EX330*
• 4000 count
• 9 functions
• Non-contact
AC voltage detector



P/N 645626CG
\$47.45

Best
Seller



Metex ME-31
• 4000 count
• 10 functions/RS232
• Autorange
• Analog bargraph



P/N 216514CG
\$56.95



Extech DM110
• 4000 count
• 10 functions
• Autorange



P/N 692502CG
\$29.99

Pocket
Sized



Mastech MAS838
 • 2000 count
 • 8 functions
 • Temperature



P/N 220741CG
\$19.95



BP-1206
 • 2000 count
 • 8 functions
 • Auto-zero



P/N 27116CG
\$31.69



Extech MV110
 • 2000 count
 • 8 functions
 • Tilttable display



P/N 197958CG
\$36.95



Metex M3800
 • 2000 count
 • 8 functions
 • Auto-zero



P/N 27115CG
\$39.95



Mastech MY64
 • 2000 count
 • 11 functions
 • Temp. & frequency



P/N 220775CG
\$38.79

Sizes shown
are for relative
comparisons.

				Test Functions				Special Functions							
	Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Aurorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing	
		°C	°F											1	5
→	—	-20 to 750	-40 to 1400	✓		✓						5.4 x 2.8 x 1.5	645618CG	\$18.99	\$18.05
	—	—	—	✓		✓						4.7 x 2.7 x 0.8	220812CG	9.79	8.85
	—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	355207CG	16.75	15.92
	—	—	—	✓			✓					4.8 x 2.6 x 1.0	119212CG	19.95	15.96
	—	—	—	✓			✓					5.4 x 2.7 x 1.2	318781CG	9.95	9.45
	—	—	—	✓		✓	✓					5.7 x 3.0 x 1.4	220759CG	13.95	13.24
	—	-20 to 1000	—	✓		✓	✓					5.7 x 3.0 x 1.4	220741CG	19.95	15.96
	—	—	—	✓		✓	✓					6.8 x 3.5 x 1.4	27116CG	31.69	28.85
	—	—	—	✓		✓	✓					7.3 x 3.5 x 1.3	197958CG	36.95	35.19
→	—	—	—	✓		✓	✓					6.8 x 3.5 x 1.4	27115CG	39.95	35.95
	2k - 20k	-20 to 1000	—	✓		✓	✓					7.4 x 3.6 x 1.3	220775CG	38.79	34.91
	—	—	-58 to 1832	✓		✓	✓					6.7 x 3.5 x 1.5	645571CG	36.95	35.15
	—	—	—	✓		✓		✓	✓			6.6 x 3.0 x 1.1	182035CG	189.89	180.39
	32.6k - 150k	—	—	✓		✓	✓	✓	✓			7.4 x 3.6 x 1.3	220767CG	35.95	32.36
	.001 - 10M	-50 to 1000	-58 to 1832	✓		✓						5.7 x 2.9 x 1.6	645626CG	47.45	45.15
→	—	—	—	✓		✓		✓	✓	✓		7.3 x 3.3 x 1.5	216514CG	56.95	54.15
	9 - 10M	—	—	✓		✓						4.3 x 2.2 x 0.5	692502CG	27.99	26.59
	10 - 10M	0 to 760	0 to 1400	✓		✓		✓				4.8 x 2.4 x 1.6	211650CG	39.95	37.95
	5 - 50k	-20 to 1000	—	✓		✓	✓	✓		✓		7.7 x 3.6 x 1.6	117373CG	89.95	67.46
	5 - 50k	-20 to 1000	—	✓		✓	✓	✓		✓	✓	7.7 x 3.6 x 1.6	137462CG	119.95	89.96
	4k - 40M	-40 to 1200	—	✓		✓	✓	✓	✓	✓		7.2 x 3.3 x 1.8	117372CG	104.95	99.69
	4k - 4M	-40 to 1200	-40 to 2192	✓	✓	✓	✓	✓	✓	✓		7.8 x 3.5 x 1.7	215589CG	99.95	94.99

DMMs continued on pages 294 - 295.



Extech MN26
 • 4000 count
 • 11 functions
 • Autorange
 • Temp./frequency



Pocket
Sized

P/N 211650CG
\$39.95



BP-1949
 • 4000 count
 • 12 functions/RS-232
 • Autorange
 • Temp./frequency



Quantity SAVE

P/N 117373CG
\$89.95



BP-1737
 • 4000 count
 • 12 functions/RS-232
 • Autorange
 • Temp./frequency



True
RMS

P/N 137462CG
\$119.95



Metex M3850D
 • 4000 count
 • 14 functions/RS-232
 • Autorange
 • Temp./frequency



Analog
Bargraph

P/N 117372CG
\$104.95



Metex M3890D
 • 4000 count
 • 15 functions/USB
 • Autorange
 • Temp./frequency



Triple
Display

P/N 215589CG
\$99.95

FLUKE

Fluke 110

- 6000 count
- 10 functions
- Autorange
- Min/Max/Avg

Fluke 111

- 6000 count
- 12 functions
- Autorange
- Current

Fluke 112

- 6000 count
- 12 functions
- Autorange
- Backlit display
- Current



Sizes shown are for relative comparisons.

True RMS

P/N 190967CG P/N 190975CG P/N 185527CG
\$129.89 \$149.89 \$169.89

FLUKE

Fluke 175

- 6000 count
- 12 functions
- Autorange
- Frequency



True RMS

P/N 192655CG
\$219.89

FLUKE

Fluke 179

- 6000 count
- 13 functions
- Autorange
- Temperature
- Frequency



True RMS

P/N 185535CG
\$239.89

WAVETEK Meterman

Wavetek/MM 37XR

- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



True RMS

P/N 222527CG
\$129.49

DMMs continued from pages 292-293.

					Basic Measurement Functions							
Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)	
190967CG	Fluke 110	6000	10	1mV	6 - 600	6 - 600	—	—	600 - 40M	1000n - 10,000μ	—	
190975CG	Fluke 111	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000μ	—	
185527CG	Fluke 112	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000μ	—	←
192655CG	Fluke 175	6000	12	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	—	
185535CG	Fluke 179	6000	13	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	—	
645562CG	Velleman DVM205AM†	10,000	7	100μV	400m - 100V	400m - 750	400m - 10	400m - 10	400 - 40M	40n - 100μ	—	
222527CG	Wavetek/MM 37XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400μ	4m - 40	←
222543CG	Wavetek/MM 38XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400μ	—	
318764CG	BenchPro BP-1415	20,000	8	10μV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20μ	—	
144872CG	Metex M4640A	20,000	12	10μV	200m - 1000	200m - 750	2m - 20	2m - 20	200 - 20M	20n - 200μ	—	
182043CG	Fluke 189	50,000	13	1μV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50μ	—	

† with backlight ‡ see page 296 for photo

EXTECH

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- Inductance ranges: 2000μH to 10,000H
- Capacitance ranges: 2000pF to 10mF
- Resistance ranges: 20Ω to 10MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H
- Weight: 0.8 lbs.



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678CG	LCR Meter	\$178.95	\$160.95
189238CG	9VDC @ 300mA adapter	4.79	4.31

FLUKE

AC Voltage Detector and LED Flashlight

Quickly test and trace a circuit without dragging out that huge DMM and extra flashlight! This non-contact AC voltage detector and LED flashlight is combined in one convenient, compact design. The voltage detector glows blue when it's near AC voltage, and glows red when it's at the source. Detects voltages from 40VAC to 300VAC. Voltage detector glows blue 50Hz - 60Hz or 2.5 - 38cm (1 - 15") away from source. Ultra-bright white LED with 100,000 hour bulb life.

Includes: AAA battery

Part No.	Product No.	1	3
667526CG	LVD1	\$26.95	\$25.60



MASTECH

15A AC Line Separator for AC Current Clamp Meters

- Max. overload: 250VAC@15A
- X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line



Part No.	Description	1	10	25
162325CG	3-prong US-type plug ...	\$9.99	\$8.99	\$8.09

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Cable length: 39" • Probe length: 14" • Wt: 0.8 lbs.



Part No.	Description	1	10
132290CG	High volt. test probe	\$79.95	\$72.95

3-in-1 Lab Center



Digital Multimeter, Regulated Power Supply, and Soldering Station. See page 315.

**Wavetek/MM 38XR**

- 10,000 count
- 14 functions/RS232
- Autorange
- Temperature
- Frequency

**True RMS**P/N 222543CG
\$149.49**BP-1415**

- 20,000 count
- 8 functions
- Capacitance

**A Jameco
EXCLUSIVE**P/N 318764CG
\$73.49**Metex M4640A**

- 20,000 count
- 12 functions
- 4 displays
- Frequency

P/N 144872CG
\$132.95**Fluke 189**

- 50,000 count
- 13 functions
- Data logging
- Temperature
- Frequency

**True RMS**P/N 182043CG
\$429.89Sizes shown
are for relative
comparisons.

				Test Functions				Special Functions				DMMs continued from pages 292-293.			
	Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing	
		°C	°F											1	5
→	99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	190967CG	\$129.89	\$123.29
	99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	190975CG	149.89	142.39
	99.99 - 50k	—	—	✓		✓		✓	✓		✓	11.8 x 7.0 x 3.0	185527CG	169.89	161.39
	99.99 - 99.99k	—	—	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	192655CG	219.89	208.89
	99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	185535CG	239.89	227.89
	9.999 - 9.999M	-20 to 760	-4 to 1400	✓		✓		✓	✓		✓	6.2 x 3.0 x 1.8	645562CG	61.69	59.55
→	100 - 10M	—	—	✓	✓	✓		✓	✓		✓	7.8 x 3.6 x 2.4	222527CG	129.49	122.99
	100 - 10M	-20 to 1300	-4 to 2372	✓		✓		✓	✓	✓	✓	7.8 x 3.6 x 2.4	222543CG	149.49	141.99
	20k	—	—	✓		✓	✓	✓	✓		✓	7.4 x 3.6 x 1.2	318764CG	73.49	66.15
	20k - 2M	—	—	✓		✓	✓	✓	✓	✓	✓	7.5 x 3.3 x 1.5	144872CG	132.95	126.35
	500 - 999.99k	-200 to 1350	-328 to 2462	✓		✓		✓	✓		✓	8.0 x 3.9 x 2.0	182043CG	429.89	403.39

**Mini DC/AC 2000-Count
Clamp Meter/Multimeter**

- Bright 1/2" LCD
- DATA HOLD
- 0.5" digit height
- Compatible with P/N 162325CG, pg 294
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.

Requires: 9V battery
not included (P/N 151095CG, pg 262)

Includes: Test leads, manual and case



ACA*	20A, 200A	±1.2% + 5d
DCA	200A	±1.2% + 5d
ACV*	500V	±1.0% + 2d
DCV	200V	±0.8% + 1d
Resistance	200kΩ	±1.2% + 1d
*Frequency Response	40-400Hz	
Zero Adjust	External knob for DCA	

Part No.	Description	1	10
115756CG	Mini DC/AC clamp meter	\$119.95	\$107.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309CG	Current shunt	\$24.95	\$22.49	\$19.95

**400A AC/DC Clamp Meters/Multimeters**

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Over range and low battery indicators
- Data hold freezes current reading on display

Includes: Test leads, case, and 2 AAA batteries

373991CG (MA200):

- 2000 count LCD display
- Measure AC current, DCV, ACV, and resistance
- AC current ranges: 2A-400A; 0.001A max. res.
- Basic current accuracy: ±2.5%
- DC/AC voltage ranges: 200mV - 600V; 0.1mV max. res.
- Basic voltage accuracy: AC: ±1.5%; DC: ±1.2%
- Resistance: 200Ω - 20MΩ; 0.1Ω max. res.

374070CG (MA220):

- 4000 count LCD display
- One touch "Auto Zero"
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- AC/DC current ranges: 40A-400A; 0.01A max. res.
- DC/AC volt. ranges: 400mV-600V; 0.1mV max. res.
- Frequency ranges: 5Hz-150kHz; 0.001Hz max. res.
- Temperature ranges: -58° to +1830°F (-50° to +1000°C); 1° max. resolution

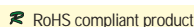


373991CG



374070CG

Part No.	Product No.	Description	1	5
373991CG	MA200	400A AC current clamp meter/multimeter	\$36.95	\$35.10
374070CG	MA220	400A AC/DC current clamp meter/multimeter	83.69	78.67



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Color Code Legend

New Sale Lower\$ QtySave

Automotive Digital Multimeter

- RPM (2/4/5/6/8 cylinder) range: 0 – 10,000RPMs
- Dwell angle: 0-180°
- Temperature ranges: -20°C to +760°C (-4°F to 1400°F)
- Large 4-digit backlight LCD display (1" character height)
- Resolution: 100µV max.
- DC voltage ranges: 400mV to 100V
- AC voltage ranges: 400mV to 750V
- DC / AC current ranges: 400µA to 10A
- Resistance ranges: 400Ω to 40MΩ
- Capacitance ranges: 40nF to 100µF
- Frequency ranges: 9.999Hz to 9.999MHz
- Auto/Manual selection range
- Diode and continuity tests
- Auto power off
- Data hold + relative function
- Overload protection
- Size: 6.2"H x 3.0"W x 1.8"D
- Weight: 1.3 lbs.

Includes: Manual, 9V battery, test/temp. probes

Part No.	Product No.	1	10	25
645562CG	DVM205AM	\$61.69	\$59.55	\$56.59



4000-Count True-RMS Benchtop Multimeter with RS-232

- 9 functions, 32 ranges
- 3½-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- DC voltage ranges: 400mV – 1000V (0.3% accuracy)
- AC voltage ranges: 4V – 750V
- DC/AC current ranges: 4mA – 10A
- Resistance ranges: 400Ω – 40MΩ
- Capacitance ranges: 4nF – 40µF
- Frequency ranges: 100Hz – 600kHz
- Diode and continuity test
- Delay hold mode
- Min., max., and relative hold function
- Input voltage: 9V battery or 90-132VAC/198-264VAC @ 50-60Hz
- Weight: 3.3 lbs.
- Size: 9.0"W x 9.4"D x 3.3"H
- Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable and software (Windows® 98/ME/2000/XP compatible)

Part No.	Product No.	1	5
230586CG	B940	\$148.95	\$141.55



Protek

2000-Count Multimeters

- Resolution: 100µV maximum
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.

160830CG: 3 1/2-Digit

- DC/AC current ranges: 20µA – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

203801CG: 3 1/2-Digit

- DC/AC current ranges: 20µA – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

421542CG: 3 1/2-Digit

- DC/AC current ranges: 200µA – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

♣ Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830CG	8010A♣	\$199.95
203801CG	8012A♣	199.95
421542CG	8050A♣	219.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

20MHz Industrial Scopemeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

FLUKE



Part No.	Description	Price
162747CG	Fluke 123-003 w/o software	\$995.05

20,000-Count True-RMS Benchtop Multimeter

- 4½-digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- DC voltage ranges: 200mV – 1000V
- AC voltage ranges: 200mV – 750V
- DC/AC current ranges: 2mA – 10A
- Resistance ranges: 200Ω – 20MΩ
- Frequency measurement up to 200kHz
- Continuity check with beeper
- Data hold, diode check, transistor h_{FE} measurement available
- Size: 9.9"L x 9.8"W x 3.6"H
- Weight: 6.1 lbs.
- One-year manufacturer's warranty

Part No.	Product No.	1	10	25
132564CG	DM441	\$269.95	\$256.49	\$243.49



EZ DIGITAL

20,000-Count Benchtop Multimeter w/ RS-232, Analog Bar & 4 Displays

- Automatic polarity indicator
- 1-2 readings/second
- DC accuracy: 0.1% +5 digits
- 10 reading storage and compare
- Resolution: 10µV max.
- DC voltage ranges: 200mV – 1000V
- AC voltage ranges: 200mV – 750V
- DC/AC current ranges: 2mA – 20A
- Resistance ranges: 200Ω – 20MΩ
- Frequency ranges: 20kHz – 20MHz
- Min., max., average, relative functions
- Logic, diode, transistor h_{FE} and continuity test
- Size: 11.2"L x 8.2"W x 3.2"H
- Weight: 7.5 lbs.

Includes: Manual, power cable, probes and software



METEX®

Part No.	Product No.	1	10
166852CG	MXD4660A	\$249.95	\$224.95

Handheld 2MHz Digital Oscilloscope with 3½-Digit Multimeter

- 10MHz for repetitive signals; 2MHz for single shot events
- Input impedance: 1MΩ/20pF
- Max. input voltage: 100V peak (AC + DC)
- Input coupling: DC, AC, and GND (GND for auto zero reference)
- LCD graphics display: 64 x 128 pixels
- Vertical resolution: 8-bit
- Timebase range: 0.2µs to 1 hr./div
- Input sensitivity: 5mV to 20V/div
- Linearity: ±1 bit
- Screen hold
- Trigger mode: run, normal, once, and ± slope
- True RMS and dB measurements
- High contrast 3.3" diagonal LCD display
- Recommend 9VDC @ 300mA power supply (133891CG, pg 252)
- Weight: 1.0 lb.
- Batteries not included

Includes: DVM850 multimeter (below) and insulated BNC-to-alligator clip measurement probes

6-Function Multimeter:

- 3½ digit w/ backlight, 2000 count
- Data hold function
- DC voltage ranges: 200mV to 100V
- AC voltage ranges: 200/600
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Part No.	Description	1	5
355485CG	2MHz Oscilloscope w/ DMM (HPS10 + DVM850)	\$194.95	\$185.25



Velleman



355207CG (DVM850) can be purchased separately, pg 292

Free DMM!

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC RMS max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1µS to 5S
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual channel; 50MS/s single channel
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100uV max.
- DC voltage ranges: 0.001V to 1000V
- AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1Ω to 5MΩ
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H

Includes: Test leads, alligator clips, Ni-MH battery pack, AC adaptor/charger, RS-232 cable, holster, and carrying case.

Part No.	Product No.	1	5
645651CG	381295	\$427.49	\$406.15



EXTECH

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.

- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Maximum input amplifier bandwidth: 2MHz
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)
- Input coupling: DC, AC, and GROUND
- Vertical resolution: 8-bit
- Trigger modes: Run, normal, roll mode for 1s/div and slower time base
- Signal storage: 256 samples max., 125 samples visible
- dBm measurement: -73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2uS to 1 hour/division
- Input sensitivity ranges in 12 steps: 5mV to 20V/division @ x1; 50mV to 200V/division @ x10
- Input voltage: 6VAC or 9VDC@300mA
- Size: 6.5"W x 3.5"H x 1.4"D • Weight: 1.0 lb.



velleman

Totally Unique

Part No.	Product No.	1	5
645280CG	VPS10	\$189.99	\$184.99

*Increased performance with x10 probe

Handheld 12MHz Digital Oscilloscope w/ 3½-Digit DMM

- 40MS/s for repetitive signals (10MS/s for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200V peak-peak (AC only)
- Input coupling: DC, AC and GND
- LCD graphics display: 112 x 92 pixels
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 32 steps; 50ns to 1hr./div
- Input sensitivity range: 12 steps; 5mV to 20V/div
- True RMS and dB measurements
- Trigger mode: run, normal, once, and roll modes
- High contrast LCD display
- Recommend 9VDC @ 300mA wall adapter (P/N 133891CG, pg 252)
- Batteries not included (recommend 1.5V, AA, Zinc Chloride battery)
- Size: 8.0"H x 4.1"W x 1.4"D
- Weight: 1.0 lb.



velleman



355207CG (DVM850) can be purchased separately, pg 292

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions • Data hold function
- 3½-digit w/ backlight, 2000 count
- DC voltage ranges: 200mV to 100V
- AC voltage ranges: 200/600V
- DC current ranges: 200μA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Part No.	Description	1	5
373157CG	12MHz Oscilloscope with DMM (HPS40 + DVM850)	\$373.95	\$355.30

Handheld 20MHz Digital Oscilloscope & Multimeter

- 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer
- **Oscilloscope:** 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5us/div; 20 MS/s sampling rate
- **Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- **Digital multimeter:** 3½-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40μA-400mA; DC current 400μA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- **Frequency counter:** 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35Vrms/42V-P/60VDC max. input
- Oscilloscope probes: Use P/N 22891CG or 216047CG, pg 298
- Battery required for portable use (see below)
- Size: 10.0"L x 5.0"W x 2.0"H
- Weight: 9.2 lbs. • One-year warranty



162430CG

Includes: Manual, 5VDC @ 3A power supply, power cord, DMM test leads, holster and case

Part No.	Description	1	5
162430CG	20MHz digital scope	\$799.95	\$764.95
162974CG	Logic probe	59.95	53.95
163141CG	Rechargeable battery	45.95	41.49
162966CG	RS-232 cable & software	26.95	24.25
221946CG	Scope probe	24.95	23.69

30MHz 2-Channel Digital Oscilloscope w/ 3½-Digit DMM

- 240MS/s for repetitive signals, 60MS/s for single shot events
- 2 channels
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200Vp-p (AC only)
- Input coupling: DC, AC, and GND
- LCD graphic display: 128 x 192 pixels with LED backlight
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 35 steps; 25ns to 1hr./div
- Input sensitivity: 14 steps; 1mV to 20V/div
- Trigger mode: run, normal, once, and roll modes
- True RMS and dB measurements
- Recommend 9VDC @ 500mA regulated power supply (228890CG, pg 250)
- 6V @ 1800mA NiMH rechargeable battery pack included
- Size: 9.0"H x 5.9"W x 1.7"D
- Weight: 1.9 lbs.



velleman



355207CG (DVM850) can be purchased separately, pg 292

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions
- 3½-digit w/ backlight, 2000 count
- Data hold function
- DC voltage ranges: 200mV to 100V
- AC voltage ranges: 200/600V
- DC current ranges: 200μA to 10A
- Resistance ranges: 200Ω to 20MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Part No.	Description	1	5
373165CG	30MHz Oscilloscope w/ DMM (APS230 + DVM850)	\$738.95	\$702.05

2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz are giving this unit all the power you need.

Oscilloscope:

- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Input range: 5mV to 2V/division
- Real time sampling frequency: 1.25kHz to 50MHz
- Sampling frequency for repetitive signals: 1GHz

Spectrum analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

Transient recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Max. number of samples: 100/s
- Min. number of samples: 1 sample/20s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable, CD software, and manual

Part No.	Description	1	5
695017CG	PCSU1000	\$443.79	\$399.41

NEW

Handheld 5MHz Oscilloscope with 4000-Count Digital Multimeter

- 128 x 128 pixel graphic STN LCD
- E/L backlight
- PC interface via RS-232
- Memory and recall for 4 values
- Temperature measurement

Oscilloscope:

- DC-5MHz bandwidth; 20MS/sec. sampling rate; single channel
- Vertical axis: 3 steps (±0.5/5/50 volts) with 4 divisions
- Horizontal axis: 16 steps (800ns/div to 26.2ms/div) in 8 divisions
- Trigger: auto and internal mode, slope and 5 trigger level selectable
- Text display for peak to peak, min./max. voltage and frequency



221962CG

METEX®

Digital Multimeter:

- 3½-digit with 43 segment bargraph
- Auto ranging; triple display for related reading; data and range hold; auto/min/max hold and relative offset
- DC voltage ranges: 400mV - 1000V
- AC voltage ranges: 4V - 750V
- DC/AC current ranges: 400μA - 400mA
- Resistance ranges: 400Ω - 40MΩ
- Frequency ranges: 4kHz - 4MHz
- Temperature ranges: -40°C - +1200°C
- Capacitance ranges: 4nF - 400μF
- Diode and continuity
- Size: 3.4"W x 1.5"D x 8.0"H
- Weight: 3.9 lbs.

Includes: Manual, power adapter and test leads

Part No.	Description	1	5
221962CG	MS-1280	\$329.95	\$313.49
221938CG	RS-232 cable & software	19.95	18.95
221946CG	Scope probe	24.95	23.69

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz-50MHz real-time; 1GHz repetitive
- Input impedance: 1M Ω /30pF
- Parallel Port Interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V (AC and DC)
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576CG, pg 252)



Oscilloscope:

- Time base: 20ns-100ms per division
- Input sensitivity: 5mV-15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer:

- Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div-2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, PC parallel cable, manual and CD-ROM software

Part No.	Product No.	1	5
200184CG	PC5500AU	\$478.95	\$429.95

inSTEK 150MHz 2-Channel Digital Oscilloscopes

Color and Monochrome with RS-232/USB/Parallel Interfaces

- Bandwidth (-3dB): 150MHz
- 15 memory settings
- Real-time sample rate: 100MS/s maximum on each channel; equivalent: 25GS/s
- 2 channels with 8-bit vertical resolution
- Record length 125k/CH
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div - 5V/div
- Time base range: 1ns/div - 10s/div
- Trigger sensitivity: DC - 25MHz: 0.35div or 3.5mV; 25MHz - 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits \pm 50ppm; AC coupled, 10Hz - 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H • Weight: 9.3 lbs.
- Two-year warranty



229358CG: Monoch. w/ RS-232/USB/parallel interface
229366CG: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358CG	GDS-820S	\$1,259.95	\$1,196.95
229366CG	GDS-820C	\$1,439.95	\$1,367.95

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1 μ s/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.



Includes: Two (X1/X10) test probes, power cord & manual

Part No.	Product No.	1	5
685311CG	SK0200	\$399.95	\$379.95

20MHz 2-Channel Analog Oscilloscope



Blue CRT for higher resolution!

- 6" rectangular high-resolution blue CRT with internal graticule & scale
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: 0.2 μ s/div to 0.2s/div in 19 calibrated steps, 1-2-5 sequence
- Max. signal input voltage: 250V (DC and peak AC)
- ADD function measures sum of two signals
- Input voltage: 98-125VAC @ 1A, 198-225VAC @ 0.5A, 50-60Hz, 45W
- Two-year manufacturer's warranty
- Size: 16.4"L x 12.6"W x 5.3"H • Weight: 20.8 lbs.

Includes: Two (X1/X10) 40MHz probes, power cord, manual, and block diagram

Part No.	Product No.	1	5
136098CG	OS5020	\$399.95	\$385.95

40MHz Multifunction Oscilloscope with Built-In 5MHz Function Generator

Oscilloscope:

- 6" rect. high res CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Weight: 26 lbs.
- Size: 15.7"L x 12.8"W x 5.2"H
- Two-year mfr's warranty



2 Instruments in 1

NEW

Function generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50 Ω
- Output volt.: 20Vp-p (no load), 10Vp-p (w/50 Ω load)

Part No.	Product No.	1	10
1536886CG	SK0404	\$529.95	\$499.95

100MHz 2-Channel Analog Oscilloscope

- 2-channel dual trace
- Delay line
- Auto focusing according to intensity
- Weight: 22.8 lbs.
- Size: 16.9"L x 12.6"W x 5.5"H
- Two-year warranty



EZ DIGITAL

Includes:

Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
121179CG	OS5100	\$999.95	\$964.95

100MHz Delayed Sweep Analog Oscilloscope w/ Frequency Counter

- DC to 100MHz bandwidth
- 6" rectangular CRT with internal graticule
- Auto set, readout cursor, delay sweep, hold-off functions
- Z-axis intensity modulation: DC to 2MHz bandwidth; 30VDC + peak AC max. input voltage
- Vertical deflection factor: 2mV/div to 5V/div
- Horizontal time base A/B deflection: 5ns/div to 0.5s/div in 22 calibrated steps
- Input coupling: AC, GND, DC
- Rise time: 3.5ns or less • Weight: 17.6 lbs.



EZ DIGITAL

Includes: Two X1/X10 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
190932CG	OS5100RB	\$1,199.95	\$1,139.95

Modular Oscilloscope Probes



- Hook and pointed probes
- **216047CG/236777CG:** with IC test ground cover and spring ground contact
- Length: 5' • Alligator clip ground wire
- BNC male connector
- Maximum input voltage: 600V

• **Blue Part No.** = Limited Quantity Available

Part No.	Bandwidth (\pm 3dB)		Impedance (R/C) *	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22891CG	6MHz	60MHz	1M Ω /180pF	10M Ω /22pF
216047CG	6MHz	100MHz	1M Ω /47pF	10M Ω /16pF
236777CG	6MHz	250MHz	1M Ω /47pF	10M Ω /14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22891CG	LF101E	\$24.95	\$22.46	\$20.21
216047CG	HF-9100	34.95	29.95	26.95
236777CG	HP-9250	45.95	43.39	37.25

Detailed specifications for Oscilloscopes at www.Jameco.com/Oscopes

150MHz Modular Oscilloscope Probe

150MHz Modular Oscilloscope Probe

- Working voltage: 600VDC and 600V peak AC
- Length: 3.9'



Rise Time		Bandwidth (±3dB)		Impedance (R/C)	
Attenuation		Attenuation		Attenuation	
x1	x10	x1	x10	x1	x10
35ns	2.33ns	10MHz	150MHz	1MΩ/46pF	10MΩ/11pF

Part No.	Product No.	1	10	50
645589CG	PROBE150	\$39.95	\$37.95	\$35.95

PROBE MASTER

Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'



174473CG: 7-piece kit
212257CG: 25-piece kit

Part No.	Product No.	1	10
174473CG	4901-02 (150MHz)	\$49.95	\$44.99
212257CG	4915A (250MHz)	149.95	142.49

Pomona

100MHz Probe Set

- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (-3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10-60pF • 48" cable



Part No.	Product No.	Description	1	10
156451CG	4550B	Probe kit	\$49.49	\$47.85

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high and low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
149930CG	Logic probe	\$29.95	\$26.99	\$24.29

Order Anytime, Day or Night

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- 1MΩ sync input impedance
- "One shot" or continuous 5Hz pulse train
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10μs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
24601CG	Logic pulser	\$21.95	\$19.76	\$17.78

100MHz Logic Analyzer USB Interface

DigiView™ is a new 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution



Part No.	Description	1	5
256866CG	USB logic analyzer	\$498.95	\$474.09
256874CG	Cable replacement	29.95	28.49
256882CG	Grabber clip set (10)	29.95	28.49

METEX® 4-in-1 Universal System With Function Generator, Universal Counter, DC Power Supply & Digital Multimeter

- Function generator capable of generating seven forms of waves (sine, square, triangle, skewed sine, ramp, pulse, and TTL square wave) in seven frequency ranges from 0.2Hz to 2MHz



Less Bench Space – Great Convenience

- Universal counter capable of measuring frequency ranges from 5Hz to 1.3GHz
- DC power supply capable of generating 5V @ 2A, 15V @ 1A fixed and 0 to 30V @ 0 to 2A variable
- Digital multimeter with ranges of: DC voltage (400mV to 100V), AC voltage (400mV to 750V), DC/AC current (40mA to 20A), resistance (400Ω to 40MΩ), capacitance (4nF to 400μF) and forward resistance of a semiconductor junction in kΩ
- Size: 14.5"W x 14.0"D x 7.0"H
- Weight: 37 lbs. • One-year warranty

Includes: Manual, cables and software

Part No.	Product No.	1	5
160864CG	MS9150	\$564.95	\$514.95

1.5GHz Frequency Counter

2 Channels

- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Gate time: 0.01s, 0.1s, 1s, 10s
- 9-digit green LED display
- Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
- Resolution: 0.1Hz to 10Hz (A input); 0.1Hz to 100kHz (B input)
- Frequency, period, totalize, RPM
- Size: 10.3"L x 10.0"W x 3.2"H • One-year warranty



EZ DIGITAL

Includes: Fuse, manual and BNC cable

Part No.	Product No.	1	5
55790CG	FC-7150	\$284.95	\$259.95

2MHz & 10MHz Sweep Function Generators w/ Frequency Counter

Function Generator

- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 2Hz to 2MHz in 7 ranges (192671CG); 1Hz to 10MHz (221911CG)
- Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load
- Output impedance: 50Ω ±10%
- Offset variable range (max.): ±10VDC at open load
- Frequency sweep time: 20ms to 2s

METEX®



Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
- Input sensitivity: channel A: 20mVRMS sine wave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz; 70mVRMS for 1.3GHz to 2.7GHz
- Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p
- Input impedance: channel A, 1MΩ; channel B, 50Ω
- Data logging and graphic software
- Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.

Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
192671CG	2MHz/2.7GHz	\$319.95	\$303.95
221911CG	10MHz/2.7GHz	417.95	396.99

RF Signal Generator

- Frequency accuracy: ±3%
- RF output: 100mVRMS (up to 35MHz)
- Output control: high-low switch, fine adjustment
- Modulation: internal - 1kHz; external - 50Hz to 20kHz at less than 1Vrms
- Audio output: 1kHz min., 1Vrms (fixed)
- Input port for 1MHz to 15MHz crystal in type HC6/u holder (crystal not included)
- Power requirements: 110V
- Size: 5.9"H x 9.8"W x 5.1"D
- Weight: 7.2 lbs.



Part No.	Product No.	Price
684431CG	SG-4160B	\$219.95

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator

- Wave forms: sine, triangle, square, TTL, and CMOS output; 229260CG has ramp
- Frequency ranges: 229251CG: 0.2Hz – 2MHz in 7 ranges; 229260CG: 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load
- Voltage controlled frequency function
- Variable DC offset control



229251CG



229260CG

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty
- 229251CG: • 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz • Size: 9.1"W x 11.0"D x 3.7"H
- 229260CG: • 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251CG	GFG-8020H	2MHz	\$259.95	\$246.95
229260CG	GFG-8216A	3MHz	\$279.95	\$251.99

2MHz Function Generator

- Frequency range: 0.02Hz to 2MHz
- Waveforms: sine, triangle, square, ramp, TTL pulse, skewed sine
- DC offset voltage from 0 to ±10V; can be superimposed to output waveform
- Variable waveform/duty cycle symmetry
- Output volt.: 20Vp-p (open circuit), 10Vp-p (into 50Ω)
- Input voltage: 110V/220V 50-60Hz
- Size: 10.0"L x 8.0"W x 3.0"H • Weight: 5.4 lbs.
- One-year manufacturer's warranty



Includes: Cord, BNC to clip cable, fuse and manual

Part No.	Product No.	1	5	10
6069CG	FG8002	\$189.95	\$179.95	\$169.95

3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch
- Size: 10.5"W x 11.2"D x 3.9"H
- Weight: 6.6 lbs.



Part No.	Prod. No.	1	5
685329CG	SK3000	\$209.79	\$199.35

3MHz Function Generator

- Square, triangle, and sine waves; TTL and CMOS pulse outputs
- Frequency: 0.3Hz to 3MHz in 7 ranges
- Output impedance: 50Ω ±10%
- CMOS output level: 4Vpp, ±1Vpp to 14.5Vpp; ±0.5Vpp adjustable
- DC offset: <-5V to >+5V into 50Ω load
- Variable controlled frequency input
- Variable DC offset control
- Signal polarity invert button • Duty cycle control
- Size: 9.6"W x 11.5"D x 3.7"H • Weight: 4.4 lbs.



Part No.	Product No.	1	5
222594CG	FG2C	\$239.95	\$234.95

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Two-year warranty
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.



Part No.	Prod. No.	Description	1	5
160469CG	BK4011A	0.5 to 5MHz ..	\$314.95	\$312.45



30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Input voltage: 85-264VAC @ 47-63Hz
- Output terminals
- Large digit backlit display • A fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H • Weight: 1.2 lbs.



Part No.	Product No.	1	10
301971CG	PSU130	\$79.95	\$75.95



Digital Benchtop Power Supplies

- Single output
- Adjustable voltage output: 645600CG=0-30V; 681221CG=0-18V
- Adjustable current output: 645600CG=0-1A; 681221CG=0-3A
- Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D
- Weight: 645600CG: 4.4 lbs.; 681221CG: 6.6 lbs.



Part No.	Product No.	1	5
645600CG	382200 (30W)	\$120.89	\$113.65
681221CG	382202 (54W)	123.49	117.35

Detailed specifications for Function Generators

www.Jameco.com/Prod/FunctionGen

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H



Part No.	Description	1	5
489184CG	DRP-303D	\$189.95	\$179.95

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Displays of both voltage and current
- Constant voltage or current
- Current limiting indicator
- Overload and short circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.



197991CG



Part No.	Description	1	10
197991CG	Digital DC	\$198.95	\$178.95
197982CG	Analog DC	168.95	151.95

150-Watt Digital Power Supply

30VDC @ 5A

- Adjustable voltage/current outputs
- 2A @ 250V fuse
- Constant voltage and current operation
- Dual digital display
- LCD displays for both current and voltage
- Coarse/fine adjustment knobs for current and voltage
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Color-coded terminals for positive, negative and ground connections • Size: 5.4"W x 10.7"D x 6.0"H
- Weight: 13.8 lbs. • One-year warranty



Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
153242CG	30VDC @ 5A	\$234.95	\$211.49	\$190.35

200W Programmable Switching Power Supplies with PC Interface

- Voltage regulation: 10mV load; ≤0.05% line
- Current regulation: ≤5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV_{RMS}; ≤10mA_{RMS}
- Over-voltage/over-current/over-power/over-temperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. • Two-year warranty



Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323CG	PSP-2010	0-20V @ 0-10A	\$349.95	\$332.45
229294CG	PSP-603	0-60V @ 0-3.5A ..	349.95	332.45



45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 \pm 10% VAC

- Analog display power supplies**
- Accuracy: 2.5%
- Digital display power supplies**
- Voltage accuracy: 1% + 2 digits
 - Current accuracy: 1.5% + 2 digits



Single Output		301920CG	207706CG	207618CG	211692CG		
Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1 10
301920CG	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$99.95 \$94.95
301866CG	HY3003D	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	\$179.95 \$170.95
207618CG	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	\$159.95 \$144.95
207626CG	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	\$299.95 \$224.96
207693CG	HY5002	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	\$189.95 \$142.46
301938CG	HY3005	2-Digital LED	315	0-30/5	10.5 x 6.5 x 14.3	10	\$199.95 \$189.95
301911CG	HY3005D	2-Digital LCD	150	30/5	5.4 x 6.2 x 11.5	13	\$224.95 \$213.70
207706CG	HY5003	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	\$249.95 \$224.95
207600CG	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	\$299.95 \$239.96
207634CG	HY3010	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	\$399.95 \$359.95
207685CG	HY3020	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	\$499.95 \$449.95

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1 10
211721CG	HY3002-2	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$249.95 \$194.00
211705CG	HY3002D-2	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$269.95 \$202.46
211692CG	HY3003D-2	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	\$289.95 \$259.95
211730CG	HY3003-2	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	\$299.95 \$230.00
211713CG	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	\$319.95 \$287.95
211684CG	HY3003D-3	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	\$329.95 \$296.95
301947CG	HY3005D	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	\$349.95 \$332.45
301954CG	HY3005D-3	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	\$369.95 \$351.45
301962CG	HY5003-2	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	\$339.95 \$322.95

150-Watt Power Supply

50VDC @ 3A

- Adjustable voltage/current outputs
- Constant voltage & current operation
- Input voltage: 110VAC @ 60Hz
- 3A @ 115V fuse
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1 10 25
163723CG	50VDC @ 3A	Dark gray	9.0 x 4.75 x 7.5	12.3	\$143.95 \$136.75 \$129.89



150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
- Built-in fan
- Voltage and current panel meter
- Constant voltage and current operation

175265CG: 15VDC @ 10A, 150-Watt

- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Over-voltage, over-current, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning



175265CG



175257CG



175249CG



175257CG: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Over-voltage protection @ 16.5V
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- Short-circuit protection @ 27.5A
- LED indicator for power and warning
- Cigarette lighter plug for current output

175249CG: 50VDC @ 5A, 250-Watt

- 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz
- Isolated ground

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1 10 25
175265CG	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	\$149.95 \$134.95 \$129.95
175257CG	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	\$159.95 \$143.95 \$129.56
175249CG	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	\$189.95 \$179.95 \$171.49

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

ZapChecker (RF Field Strength Meter)

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 (667817CG) includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.



667796CG



Totally Unique

- Sensitivity control: 20dB, (10 to 1) signal control range
- Sensitivity: (667796CG) 70uV; (667817CG) 45uV
- Detection modes: LINEAR – for far-field detection of weakest signals: 10dB for ZC-185 and 12dB for ZC-300
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- LED display indicators
- Approximately 80 hours of battery life (2 x AA batteries)
- Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Description	Frequency	1 10
667796CG	ZC-185	3MHz-5GHz	\$158.95 \$150.95
667817CG	ZC-300	1MHz-8GHz	\$398.95 \$370.45

Mini Thermo-Anemometer

Waterproof, pocket size with air velocity, temperature and windchill, all in one. Ideal for checking blowers, fans, exhaust hoods and balancing AC/HT ducts.

- 0°F to 122°F (-18°C to 50°C)
- Measures wind speed in ft/min., MPH, m/s, km/h, knots and Beaufort force
- Large dual display for air velocity and temperature
- Water resistant housing floats and drop tested to 6'



Includes: CR2032 lithium battery and lanyard

Part No.	Product No.	1 5
218085CG	45118	\$88.95 \$84.49

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs.

Please send your requests to
NewProducts@Jameco.com

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs.
- One-year warranty



Part No.	Description	1	10
131764CG	Digital light meter	\$99.95	\$89.95

Digital Sound Level Meter

- Type 2 meter with manual data store; recalls up to 99 readings
- High accuracy
- AC/DC analog output
- Wide decibel range: 40dB to 130dB
- Max/min recording with elapsed time stamp
- A & C weighing
- Large 2000 count LCD display with analog bargraph
- 0.5" condenser microphone
- Size: 10.3"H x 2.6"W x 1.0"D



Part No.	Product No.	1	5
645642CG	407730	\$75.15	\$71.29

Non-Contact Infrared Thermometer w/ Laser Pointer

- Built-in laser pointer identifies target area
- Field of view: 6:1 (6" distance measures 1" target)
- Automatic data hold when trigger released and auto power off
- Fixed 0.95 emissivity covers 90% of surface applications
- Temperature range: 0°F to 600°F (-20°C to 320°C)
- Basic accuracy: ±2% of reading
- 2000-count backlit LCD display
- Audible and visible over-range indicators
- Size: 8.3"L x 3.5"W x 1.5"D



Includes: 9V battery

Part No.	Product No.	1	10
211588CG	42529	\$88.95	\$84.50

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

RS-232 Mini-Tester with Status LEDs

Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.



Part No.	Description	1	10	100
26729CG	Mini-tester	\$11.95	\$10.76	\$9.68

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.



Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181CG	Breakout box	\$8.95	\$7.95	\$6.95

RS-232 Loopback Tester

The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.



Part No.	Description	1	10	100
22728CG	Loopback tester	\$6.95	\$5.95	\$4.45

Flexible Multilink RS-232 Tester & Breakout Box

Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance.

Complete cable "breakout" and reconfiguration. Connectors: DB25 male & DB25 female.

- Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H

Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945CG	Tester/breakout box	\$22.95	\$19.95	\$17.95

How to Test Almost Everything Electronic

TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

- Size: 7.4" x 9.3" • Weight: 1.3 lbs.

Part No.	Description	1	10
126199CG	How to Test Everything	\$17.95	\$16.15



Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- Built-in laser pointer to improve aim
- F/C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- 6:1 field of view
- Data hold and max hold
- Pocket size meter
- Size: 3.8"L x 2.0"W x 0.9"D

Includes: 2 AA batteries

Part No.	Description	1	5
219361CG	Pocket IR thermometer	\$59.99	\$56.99



Temperature/Humidity Meter with Min/Max Memory

- Displays (%) relative humidity and temperature (°C/°F) simultaneously
- Min./Max. memory on both relative humidity and temperature with reset function
- Humidity range: 10% to 99% • 1" high readout

Includes: Built-in tilt stand, AAA battery, and wall mounting bracket

Part No.	Product No.	Temperature Range	Size (L" x W" x Thick")	1	10	25
198045CG	445703	14°F to 140°F (-10°C to 60°C)	4.3 x 3.9 x 0.8	\$36.95	\$35.09	\$33.35



Commercial Customers

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RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.



Part No.	Description	1	10	100
14285CG	Check line tester 	\$8.95	\$8.09	\$7.25

RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts



Part No.	Description	1	10	100
105196CG	Serial adapter 	\$7.95	\$6.95	\$5.95

PC Cable-Check® Pro


This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.



- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

Paladin Tools®

Includes: 9V battery

Part No.	Product No.	Price
652480CG	1577 	\$164.95

EXTECH Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type CATV coax cables.

- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- Tests cable lengths from 3 ft. to 600 ft.
- Size: 3.25"H x 2.0"W x 1.25"D

Includes: 2 AAA batteries



Low Cost!

Part No.	Product No.	Price
645634CG	CT100	\$28.49

GG LANtest Network and Modular Cable Tester

- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/568B and token ring cable.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power



Part No.	Product No.	1	10	50
615136CG	45-5767-0000	\$115.79	\$104.24	\$93.82

Pomona BNC to Minigrabber® Test Clips

- RG 174/U, .100" O.D.
- Rating: 300 V_{RMS} max., +50°C (+122°F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"



Part No.	Product No.	1	10
176954CG	5187-K-36 	\$24.95	\$22.45

BNC Male w/ Molded Strain Relief to Minigator® Test Clips

- RG 58C/U, .195" O.D.
- Rating: 45 V_{RMS} max., +50°C (+122°F) max.
- Jaws open to .187" max.
- Length: 36"





Part No.	Product No.	1	10
176971CG	4532-C-36 	\$18.95	\$16.95

Pomona BNC Cables

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871CG: 36" P/N 159880CG: 60"






Part No.	Product No.	1	10	25
159871CG	2249-C-36 	\$15.95	\$14.39	\$12.95
159880CG	2249-C-60 	16.79	15.95	14.95

Pomona Stackable Banana Test Lead Cables



- 5000V @ 15A • 55°C max.
- 159898CG: Two 36" leads, mini clip w/ banana
- 45VAC @ 5A max.; beryllium copper contact and glass filled insulation
- 571188CG: One black; 5' 571196CG: One red; 5'; red
- 159901CG: Two 24" leads 159919CG: Two 36" leads
- 571241CG: One black; 4'

Part No.	Prod. No.	Description	1	10	25
159898CG	3782-36 	Mini w/ banana	\$9.95	\$9.45	\$8.75
159901CG	B-24-02 	Patch cord	9.95	8.95	7.95
159919CG	B-36-02 	Patch cord	9.95	8.95	7.95

Butt Set

- Loop limit: 2kΩ max. @ 48VDC
- DC resistance (talk mode): 300Ω typical
- Monitor impedance: 39kΩ nominal @ 1kHz
- Monitor amplifier: 9V transistor provides 25 hours continuous use
- Auto power shut-off
- Power source: shared line and battery power (9V)
- Size: 10.3"L x 2.8"W x 3.5"H






Part No.	Product No.	Price
673707CG	MT-8001	\$188.95

Pomona Solderless Banana Plugs

- 159863CG • Nickel-plated
- 159855CG • Set screws secure leads
- 159927CG • 5000VDC @ 15A • 50°C max.
- Sets include 1 black and 1 red

159863CG/571153CG/571161CG: w/ safety collar
159855CG/571137CG/571145CG: w/ set screw
159927CG/571250CG/571268CG: double banana plug w/ wire guide



* Prepackaged: please order in increments of 10 or 25

Part No.	Prod. No.	Description	1	10	25
159863CG	1825-02 	Safety collar	\$3.29	\$2.99	\$2.69
159855CG	1325-02 	Set screw	3.29	2.99	2.69
159927CG	MDP-02 	Double banana	5.95	5.65	4.95

BNC to Standard Double Banana Plugs



Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11439CG	BNC banana plug (F) 	\$4.95	\$4.49	\$3.99
125225CG	BNC banana plug (M) 	5.49	4.95	4.45

JAMECO BenchPro Double Banana Plugs

- Dual gold-plated female 125217CG banana plugs • Stackable

Part No.	Description	1	10	100
125209CG	Black banana conn. 	\$2.65	\$2.39	\$2.15
125217CG	Red banana conn. 	2.35	2.15	1.95

JAMECO BenchPro 1" Screw-Type Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut • Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.

Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71239CG	Binding posts (2) 	\$.99	\$.85	\$.69	\$.59

JAMECO BenchPro 1 3/4" Screw/Solder Binding Posts


- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06"Dia.
- Size: 1.8"L x 0.5"Dia.

Includes: One red and one black

Part No.	Description	1	10	100	1000
77690CG	Binding posts (2) 	\$1.09	\$.95	\$.79	\$.69

JAMECO BenchPro Double-Banana Plug to Alligator Clips Test Cable

- Red & black rubber boot
- 4" lead wire
- Length: 3'

Part No.	Description	1	10	50	100
107423CG	Test cable 	\$3.95	\$3.49	\$2.95	\$2.49

JAMECO BenchPro

Mini Test Clips

- Two lengths
- Blue Part No. = Limited Quantity
- Includes: One black and one red hooked probe clip



Part No.	Description	1	10	100
114809CG	1.75" mini test clips ..	\$1.89	\$1.49	\$1.35
114817CG	3.5" mini test clips ..	1.75	1.55	1.39

JAMECO BenchPro

Alligator Clip Leads

- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors



Part No.	Description	1	10	100
10444CG	Alligator leads ..	\$4.39	\$3.95	\$3.56

JAMECO BenchPro

BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips - red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector



Part No.	Description	1	10	100
11384CG	BNC cable ..	\$3.49	\$2.49	\$2.25

JAMECO BenchPro

Insulated Alligator Clips

- Color-coded
- Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Size: 2.3"L x 0.5"W



Blue Part No. = Limited Quantity

Includes: One red and one black clip

Part No.	Description	1	10	100
70990CG	Alligator clips ..	\$0.39	\$0.36	\$0.33

JAMECO BenchPro

1 1/4" Banana Plugs

- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening
- Size: 1.6"L x 0.4"Dia.



Blue Part No. = Limited Quantity

Includes: One red and one black plug

Part No.	Description	1	10	100
72194CG	Banana plugs ..	\$1.59	\$1.49	\$1.25

JAMECO BenchPro

2 1/4" Banana Plugs

- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W
- Set-screw connection



Includes: One red and one black connector

Part No.	Description	1	10	100
137526CG	Banana plugs ..	\$2.95	\$2.12	\$1.84

JAMECO BenchPro

Claw Clips and Alligator Clips

- Sold in increments of 2, 4 or 10
- Blue Part No. = Limited Quantity Available

Part No.	Description	Size (L"xW")	2	4	10
248920CG	Mini-alligator clip solder/crimp ..	1.2 x 0.3	\$.28	\$.25	\$.23
248954CG	Red insulator for 248920CG ..	—	.15	.13	.11
248946CG	Black insulator for 248920CG ..	—	.15	.13	.11
256525CG	Alligator clip, barrel/screw ..	1.9 x 0.2	.45	.38	.35
248938CG	Alligator clip, solder/crimp ..	1.6 x 0.3	.52	.48	.42
248971CG	Red ins. for 248938CG/256525CG ..	—	.29	.27	.25
248962CG	Blk. ins. for 248938CG/256525CG ..	—	.23	.21	.18
248989CG	Claw clip 10A, screw terminal ..	2.1 x 0.4	.55	.49	.45



JAMECO BenchPro

BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector
- 7" 20AWG lead wires



Part No.	Cross Ref. No.	1	10	100
256831CG	CBB-069 ..	\$5.39	\$5.15	\$4.89

JAMECO BenchPro

Micro Test Clip

- One piece per package



Part No.	Description	1	10	100
153162CG	1.6" micro test clip ..	\$.95	\$.87	\$.69

JAMECO BenchPro

Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire



Blue Part No. = Limited Quantity

Part No.	Description	1	10	100
135298CG	Mini test leads ..	\$11.49	\$10.39	\$9.29

JAMECO BenchPro

Mini-Clip to Banana Test Cables

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- 20 AWG insulated wire
- Length: 3.5'



Part No.	Description	1	10	100
21865CG	Black test cable ..	\$3.95	\$3.55	\$2.99
21865CG	Red test cable ..	3.95	3.49	2.99

JAMECO BenchPro

Banana-to-Banana Test Leads

- Stackable
- Color coded: 2 each red, yellow, blue, black, white
- 9.8" long
- 10 per package
- 18 AWG wire



Part No.	Description	1	10	25
77841CG	Test leads ..	\$22.95	\$20.69	\$18.59

Scotchlok

Test Clip

- Hexnut for adjusting tension
- Rapid easy connectors
- Threaded stud standard

Part No.	Prod. No.	Description	1	10	100
469087CG	02-0	Threaded std	\$2.35	\$2.28	\$2.21

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

0.025" (0.64mm) Square Pin To Straight Banana Plug Adapter

- Excellent for use as a jumper on circuit cards with 0.6mm (0.025") square pins and equipment with 4.2mm (0.166") diameter pin jacks
- Plug body: brass alloy
- Insulation: polypropylene
- Connector: in-line banana plug
- Spring material: beryllium copper alloy
- Wire: 22AWG stranded (26 x 36) PVC insulated, 36" long
- Pin connector: 0.64mm (0.025") square pin receptacle, phosphor bronze gold plated



Part No.	Product No.	Color	1	5	10
684553CG	4771-36-0	Black	\$6.09	\$5.95	\$5.79
684570CG	4771-36-2	Red	6.09	5.95	5.79

Pomona

Micro SMD Oscilloscope Tip Adapter

- Adapter attaches to monolithic type oscilloscope probes
- Interface with pomona's micro SMD grabbers
- Adapter provides electrical connection to probe tip and probe head grounding area
- Dual leads allows oscilloscope probe to attach to 0.025" (0.64mm) diameter posts



Part No.	Product No.	1	5	10
684588CG	6443	\$56.69	\$55.19	\$53.65

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.



PROBE MASTER® Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"

174625CG Includes:
10 plunger type tips

212222CG Includes:
10 pieces: screw-on alligator clips, spade lugs and spring hooks



Part No.	Description	1	10	25
174625CG	Micro tip test leads	\$29.85	\$28.35	\$26.95
212222CG	Softie test leads	23.85	22.65	21.55

PROBE MASTER® Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks



Part No.	Description	1	10
212249CG	Elect. deluxe probe kit	\$65.95	\$62.99

Pomona® Micro SMD Grabber® Test Clips For 0.05" (1.25mm) to 0.02" (0.5mm) Lead Pitch

- Use with PQFT & SOIC packages with 0.02" lead pitch or greater
- 20mm long tip allows measurement at IC leads that are not easily accessible
- Pincers are stationary, housing moves to close tips together
- Thin body style allows an unlimited numbers of clips to be stacked side by side
- Device under test must be inactive when connecting pincers
- Max. frequency: 100MHz
- Flying lead connection: gold plated copper
- 684481: color - black; 684490: color - red



Part No.	Prod. No.	1	5	10
684481CG	6490-0	\$25.35	\$24.95	\$24.59
684490CG	6490-2	25.35	24.95	24.59

Pomona® Micro SMD Grabber® Test Clip for 0.05" (1.25mm) to 0.01" (0.2mm) Lead Pitch

- Use with PQFT & SOIC packages with 0.2mm lead pitch or greater
- 8mm long tip allows measurement at IC leads that are not easily accessible
- Max. frequency: 100MHz
- Leads: stainless steel wire
- Thin body style allows an unlimited numbers of clips to be stacked side by side
- Tip tubing: Teflon™ coated nickel plate copper
- Flying lead connection: gold plated copper



Part No.	Prod. No.	Lead Ht.	Lead Pitch	Tip	1	5	10
684502CG	6311	0.55"	0.03"-0.01"	Long	\$86.45	\$85.05	\$82.39
684537CG	6312	0.55"	0.05"-0.01"	Long	87.45	86.05	83.35
684545CG	6313	0.55"	0.05"-0.01"	Short	75.69	74.49	72.15

FLUKE® Probe Light & Kit



667497CG



667518CG

Do not risk shorting out expensive electronics or risk shock in high voltage panels. With this white LED probe light, simply snap on to any test probe or leads and you will have an instant hands-free light at your fingertips.

- 120 hours of battery life
 - Uses 2 3-volt watch batteries
- 667518CG:** Probe Light kit includes L200 probe light, TL71 premium test lead set, and case

Part No.	Product No.	1	3
667497CG	L200	\$17.95	\$17.05
667518CG	L211	41.95	39.85

Pomona® Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155951CG	5519A	\$12.95	\$11.69	\$10.99

Pomona® Minigrabber® Test Clip Patch Cord Kit

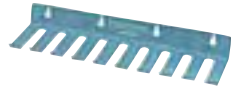
- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends



Part No.	Prod. No.	Description	1	10
156494CG	5523	Patch cord (hook)	\$36.45	\$32.99

Pomona® 11"L Test Lead Holders

- 155985CG:**
- Max cable dia.: 0.450"
- 155977CG:**
- Max cable dia.: 0.320"
- 155969CG:**
- Max cable dia.: 0.210"



155985CG

Part No.	Prod. No.	Slots	Color	1	10	25
155985CG	2708B	9	Blue	\$10.25	\$9.75	\$9.45
155977CG	4408	10	Black	10.45	9.69	8.95
155969CG	1508	14	Orange	11.95	10.75	9.69

JAMECO® BenchPro® BNC to Clip Test Cables



11422CG

11463CG

BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip
- Length: 39"
- Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50	100
11422CG	Micro-clip RG174	\$3.99	\$3.19	\$2.89	\$2.59
11463CG	Mini-clip RG174	4.39	3.99	3.59	3.19

JAMECO® BenchPro® Panel Mount Tip Jacks 1/4" - 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin
- Material: brass
- Insulation: polycarbonate
- 10 per package



Part No.	Cross Ref. No.	Color	1	10	100
256778CG	R1-17-BLK	Black	\$8.59	\$8.15	\$7.75
263863CG	R1-17-RED	Red	8.59	8.15	7.75

JAMECO® BenchPro® Double Binding Posts - Dual Banana

- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W

Blue Part No. = Limited Quantity Available



Part No.	Description	1	10	100
125196CG	Double bind post	\$3.95	\$3.45	\$3.19

JAMECO® BenchPro® Single Binding Post to BNC Male

- Binding post with captive thumb nut
- Accepts standard banana plugs
- Operating voltage: 500 V_{RMS}
- Brass nickel plated

See page 163 for BNC Connectors



Part No.	Description	1	10	100
100600CG	Red binding post	\$1.59	\$1.34	\$1.01
100618CG	Black binding post	1.59	1.34	1.06

JAMECO® BenchPro® BNC to Double Binding Posts - Dual Banana

- Red/black design



Part No.	Description	1	10	100
125233CG	BNC-female	\$4.95	\$4.49	\$4.05
99354CG	BNC-male	5.29	4.76	4.28

JAMECO® BenchPro® Universal Test Lead Kit

Includes: 3' black/red cables, 4.5" black/red insulated test probes, 0.8" needle probes, spade terminals, 2 sets of 4 pieces each red/black insulated alligator clips and banana plug



Part No.	Description	1	10	100
168516CG	Universal kit	\$8.95	\$7.95	\$6.95

JAMECO® BenchPro® Protected Banana Style Multimeter Test Probes

- Threaded/pointed test tip
- Black and red
- 18 AWG wire
- 42" long
- 2 per package



Part No.	Description	1	10	25
77737CG	Protected probes	\$6.49	\$5.85	\$5.25

JAMECO® BenchPro® Standard Banana Style Multimeter Test Probes

- Black and red
- 18 AWG wire
- 2 per package
- 42" long



Part No.	Description	1	10	25
77745CG	Std. banana probes	\$7.69	\$6.95	\$6.25

51-Piece Tech Tool Kit

Essential kit for electronic machine maintenance and repair jobs!

- In addition to the tools listed in the matrix right, the kit includes:
 - 2 nut drivers
 - Solder pen
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.



Part No.	Description	1	5
26681CG	51-piece tool kit	\$94.95	\$75.95

55-Piece Tech Tool Kit

An assortment of tools for general & precision work for technicians, engineers, students, etc.

- In addition to the tools listed in the matrix right, the kit includes:
 - Screwdriver handle
 - 6-pc mini-hammer set
 - 5-pc of double edge blade
 - PLCC extraction tool
- Outer velcro pockets to store paperwork, etc.
- Complete your assortment with a multimeter (See pages 280-295)
- Size: 17.6"L x 12.8"W x 4.0"H • Weight: 9.2 lbs.

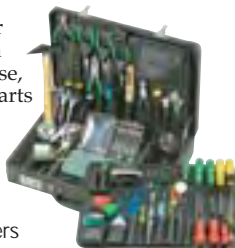


Part No.	Description	1	5
136311CG	55-piece tool kit	\$128.95	\$112.46

57-Pc. Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- In addition to the tools listed in the matrix right, the kit includes:
 - 5" & 6" side cutter
 - 5" & 6" long nose pliers
 - 8" combination pliers
 - 9.5" water pump pliers
 - Alignment driver
 - Parts tube
 - 5-piece file set
 - 6" stainless scissors
- Testing driver
- Solder wick
- PVC insulated tape
- Oil can
- Carpenter hammer
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.



Part No.	Description	1	5
218245CG	Master electronic tool kit	\$128.95	\$121.65

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- Driver handle
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.



Part No.	Description	1	10	25
170069CG	26-pc. SAE tool set	\$17.95	\$16.16	\$13.69

100-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!

- In addition to the tools listed in the matrix below, the kit includes:
 - Computer/polarity circuit tester
 - Mini vacuum cleaner
 - Cassette head cleaning fluid
 - 3.6V cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.



Part No.	Description	1	5
242851CG	100-piece tool kit	\$199.95	\$189.95

114-Piece Tech Service Tool Kit

In addition to the tools listed in the matrix below, the kit includes:

- 40-pc socket pack
- 6" side cutter
- 6" long nose pliers
- 6" slip joint pliers
- Carpenter hammer
- 3 piece trimmer set
- Stainless steel spring hook
- Solder wick
- 8" combination pliers
- 2 removable pallets
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.



Part No.	Description	1	5
149024CG	114-piece tool kit	\$279.95	\$251.99

Quick-Reference Table of Professional Tool Kit Contents

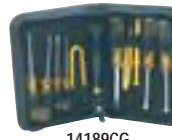
Parts included in kits	26681CG	136311CG	218245CG	242851CG	149024CG
3-prong holder		1	1	1	1
Anti-static strap		1		1	1
Brush	1	1	1	1	1
Crimping tool		1 (7-way)	1	1	1
Desoldering pump	1	1	1	1	1
Digital Multimeter	1			1	
Drill set					1
Files, needle	2-pc			6-pc	5-pc
Flashlight		1	1	1	1
Forceps					1
Heat sink		1	1		1
IC extractor		1	1		1
Inspection mirror			1		1
Measuring tape, 10-foot	1		1		1
Pliers, 8" lineman		1		1	
Pliers, bent needle nose	1	1	1	1	1
Pliers, diagonal cutter	1	1		1	1
Pliers, flat nose	1	1		1	1
Pliers, snipe nose					1
Scissors	1		1	1	
Screwdriver set	8-pc	3-pc	8-pc	12-pc	9-pc
Screwdrivers, precision	6-pc	6-pc	6-pc	6-pc	6-pc
Solder core	1	1	1	1	1
Soldering aid kit, 3-pc	1	1	1	1	1
Soldering iron	1	1 (30W)	1 (30W)	1 (30W)	1 (25W)
Soldering stand	1		1	1	
Tape, electrician				1	1
Tweezers	1	2	1	1	1
Utility components box	1		1	1	1
Utility knife	1	1	1	1	
Wire stripper					1
Wrench, adjustable		1	1	1	1
Wrench, hex key	7-pc	7-pc	7-pc	7-pc	7-pc
Wrench set			6-pc	5-pc	10-pc
Total Pieces	51	55	57	100	114
Price	\$94.95	\$128.95	\$128.95	\$199.95	\$279.95

11 & 12-Piece Lightweight Computer-Service Tool Kits

- Both kits include:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers



167206CG



14189CG

- 167206CG: 11-Piece Tool Kit**
- Clear components, tube holder
- 14189CG: 12-Piece Tool Kit**
- 14-16 pin IC inserter/straightener

Part No.	Description	1	10	25
167206CG	11-piece tool kit	\$12.95	\$11.49	\$9.95
14189CG	12-piece tool kit	16.95	15.26	13.73

24-Piece PC Premium Tool Kit

- 3.2mm x 75mm slotted screwdriver
- #0 x 75mm Phillips screwdriver
- 3 prong holder
- Spring tweezer
- Spare parts tube
- IC extractor
- Torch
- Extension bar for ratchet bits
- Adjustable ratchet screwdriver
- Side cutter pliers
- 5mm and 7mm slotted bit
- T10, T15, T20, T25, and T30 Torx bit
- 1/4" and 3/16" nut
- Size: 8.4"L x 5.9"W x 1.4"H • Weight: 1.3 lbs.
- Long nose pliers
- #1 and #2 Phillips bit
- Socket adapter



Part No.	Description	1	5
226085CG	24-piece premium tool kit	\$17.95	\$14.36

40-Piece Electronic Tech Tool Kit

The kit includes:

- Wire cutters/stripper
- Adapter bit for sockets
- Pocket clip screwdriver
- Potentiometer alignment tools
- T10-T25 reversible Torx screwdriver bits
- 3/16"-1/2" S.A.E. nut driver sockets
- 6mm-12mm metric nut driver sockets
- Slotted and Phillips screwdriver bits
- 10-pc screwdriver set
- Extra long 3-claw parts holder
- IC inserter w/ pin straightener
- IC extractor



Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	10	25
119183CG	40-piece tool kit	\$21.95	\$19.76	\$15.80

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.



With an 81-year history of innovation, Platt Luggage proudly manufactures a vast variety of carrying cases. Platt is a world leader in the manufacture of tool carrying cases. Now you can purchase these renowned cases from Jameco!

All Platt products feature a one year warranty from date of purchase against manufacturing defects. Product quality is assured. With the Platt name, you are assured of the highest quality product—both American made and World class!

Heavy Duty ATA Cases with Wheels and Telescoping Handle

Once you own one of these shippable tool cases, you won't want to own anything else! If you travel by air and need to bring your toolset, these cases are right for you.

693011CG



Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	Inside Depth (in.)	1	5
693011CG	221609AH	Black	19.6 x 13.5 x 9.0	5.5	\$266.85	\$254.99
693038CG	282011AH	Black	27.5 x 19.5 x 11	5.5	\$316.65	\$299.99

Blow Molded Cases

These cases are manufactured from prime, high-density polyethylene and feature double wall construction. The textured exteriors resist dents, cracking and scuffs.



692895CG



692916CG

Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	1	5
692887CG	207	Black	9.5 x 6.0 x 2.7	\$14.99	\$14.92
692895CG	307	Black	11.0 x 7.0 x 3.4	22.35	21.99
692908CG	407	Black	12.4 x 8.9 x 5.1	29.25	28.99
692916CG	507	Black	13.9 x 9.9 x 4.0	37.45	36.99

Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.

Aluminum Tool Case

This heavy-duty case is made of lightweight durable aluminum. A single inside panel and adjustable compartments easily carry hand tools, small soldering equipment, hand-held test equipment, and more.

Size: 19"L x 14"W x 6"D



Part No.	Description	1	5
261884CG	Tool case	\$49.95	\$44.95

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.

Size: 19"L x 14"W x 6"D • Blue Part No. = Limited Quantity



Part No.	Description	1	5
261876CG	Tool/equipment case	\$51.39	\$44.15

2-In-1 Zippered Tool Bag

A high-quality tool tote case that can be used as two separate bags or zipped together as one case. The first bag has two large pouches for documents and paperwork or large items. The second bag contains 20 pockets for tools.

Size: 16"L x 12"W x 2.5"D



Part No.	Description	1	5
261868CG	Tool/tote case	\$24.25	\$22.09

Double Layer Nylon Tool Bag

This nylon tool bag provides enough space to carry your tools anywhere. Zippered bottom panel for long flat tools, 8 external pockets and 4 internal pockets for everyday use tools.

- Material: double layer rugged nylon
- Color: light brown and green
- Size: 15.5" (38.1 x 19 x 30.5cm)



Part No.	Product No.	1	5
645511CG	VTBAG2	\$39.95	\$37.45

Tool Cases and Bags

Heavy Duty Polyethylene Cases

The exterior shell is tough, impact-resistant HMW polyethylene. Features heavy-duty aluminum rim with black trim and gasket with cast chrome key locks, full-length piano hinge, and deluxe golf grip handle.

692991CG



Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	Inside Depth (in.)	1	5
692983CG	181307	Black	18.5 x 12.5 x 7.0	4	\$123.75	\$114.99
692991CG	201407	Black	19.6 x 13.5 x 7.0	4	\$151.55	\$144.99
693003CG	282007	Black	27.5 x 19.5 x 7.0	4	\$197.75	\$184.99

Medium Duty ABS Cases

Modern look of heavy duty grained ABS with extruded aluminum frame, deluxe golf grip handle, cast chrome key locks and piano hinge.

692959CG



Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	Inside Depth (in.)	1	5
692959CG	2207	Black	22 x 16 x 7	4	\$123.29	\$119.99
692967CG	2407	Black	24 x 18 x 7	4	\$138.19	\$135.99
692975CG	2807	Black	28 x 20 x 7	4	\$154.45	\$149.99

Mechanics Tool Bags

These handy "Mechanic's Tool Bags" are similar to the GI tool bag used for decades by the U.S. Military. Water-repellent Cordura fabric makes it much more durable and with 8 sewn-in pockets on the inside and 2 divided snap pouches on the outside, you'll keep your smaller tools and parts organized.

693118CG



Part No.	Product No.	Color	Outside Dim. (L"xW"xH")	1	10
693100CG	MTB	Black	12 x 6 x 6.5	\$20.65	\$19.38
693118CG	MTB-BLU	Blue	12 x 6 x 6.5	20.65	19.38

• This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle; 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord



Part No.	Product No.	Wt. (lbs.)	1	10
191943CG	6966C	1.2	\$119.95	\$107.95

1000-Watt Heat Gun

- Dual heat setting: 600°F/1100°F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts
- Input voltage: 110-120 VAC



Part No.	Description	1	6	12
254924CG	Heat gun	\$45.95	\$44.39	\$39.79

Heat Gun/Stripper

Dual-Setting

- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed
- Size: 9.3"L x 7.0"W
- Weight: 1.8 lbs.



Part No.	Description	1	10	25
76865CG	Heat gun	\$39.95	\$35.95	\$31.95
217816CG	Heat shrink attachment	1.95	1.85	1.75
217832CG	Air spreader	1.95	1.66	1.24

The Right Tool for the Job

OK, so why cut corners when you're punching down cables, stripping insulation or crimping wires? Little nicks in the insulation can creep and become big reliability problems later on. Not good for referral and repeat business.

When you think about the cost to get a customer in the first place, you realize you can't afford to lose any of them, particularly to risks that can be substantially reduced at a relatively low cost. Plus, in the business world, you rarely use a tool for just one job, so the amortized cost is really low.

Practical Practices
Money Saving Tips for the Engineer



Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	10	25
26702CG	MS398 drill	0.8	\$29.95	\$26.95	\$23.95
26711CG	MS399 stand	1.8	21.95	19.75	17.55

32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829CG	32-piece security bit set	\$11.95	\$10.75

3-Piece Drill Bit Set

Drill Bit Set

For drilling component lead wire holes in phenolic or glass epoxy PC boards. Made of high speed tool steel for long life. Set contains No. 66 bit - 0.033" dia., No. 60 bit - 0.044" dia., 1/16 bit - 0.0625" dia.



Part No.	Description	1	10	50
616569CG	3-piece drill bit kit	\$4.55	\$4.32	\$4.10

High-Speed Steel Step Drill Bits

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

229657CG: • Shank size: 3/8" • 2.4" long
172401CG: • Shank size: 1/4" • 2.5" long



Part No.	Description	1	10	25
229657CG	3/16" - 7/8" 13-step	\$14.95	\$13.45	\$12.40
172401CG	3/16" - 1/2" 6-step	9.95	8.95	7.95



Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

LOCTITE® Hot Melt Glue Gun & Glue Sticks

The Loctite® Hysol® 050-LITE is a lightweight handheld hot melt applicator which utilizes a finger actuated trigger mechanism to positively grip and advance all Loctite Hysol 1/2" diameter hot melt sticks.



- Fixed precision temperature setting: 392°F (200°C)
- Adhesive: 1/2" diameter glue sticks
- Melt rate output: up to 1lb. / hour
- Voltage: 100/240VAC@50-60Hz (self adjusting)
- Power: 20 to 500 watts (self regulating)
- Size: 8.0"L x 1.3"W x 6.6"H • Weight: 0.8 lbs.

Part No.	Product No.	Description	Price
667577CG	98029	Hot Melt glue gun	\$37.39

Part No.	Product No.	Description	1	5
667585CG	83383	White glue stick	\$14.09	\$13.39
667606CG	83273	Tan glue stick	8.79	8.35

Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W



Part No.	Description	1	10	25
72696CG	Glue gun	\$9.95	\$8.96	\$8.06
78633CG	Glue sticks (6/pk)	3.15	2.84	2.55
176292CG	Glue sticks (10/pk)	4.95	4.29	3.79

PC Board Drill Bits

- Reconditioned carbon steel bits
- High quality long lasting cutting edge • Shank dia.: .125"
- Use for drilling holes in glass PC boards



Part No.	Drill Dia.	No.	Application	1	10	100
16619CG	.021"	75	Misc.	\$1.55	\$1.40	\$1.26
16580CG	.040"	59	Plated thru holes	1.75	1.58	1.42

9-Piece Assorted Drill Bit Kit

- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes



Part No.	Description	1	10	50
131676CG	9-piece drill bit kit	\$9.95	\$8.95	\$7.95

Adjustable Cordless Screwdriver

- Adjustable handle can be used folded or unfolded
 - Thumb switch for reverse and forward action
 - No load speed: 180 RPM
 - 3.6V rechargeable battery
 - Clutch operating torque from 4 to 21kg-cm
 - Size: 10.5"L x 1.5" Dia. • Weight: 1.6 lbs.
- Includes:** 6VDC @ 300mA power supply and screwdriver bits, slotted and Phillips



Part No.	Description	1	10
176680CG	Cordless screwdriver	\$36.95	\$33.26

JAMECO Pocket Screwdriver

Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage

Part No.	Description	1	10	100
127271CG	Pocket screwdriver 	\$1.55	\$1.45	\$1.19

11-Pc Precision Screwdriver Set

- 0.9, 1.2, 1.4, 1.8, 2.4 and 3mm slotted screwdrivers
- Phillips #00, #0 and #1 screwdrivers
- Awl • Magnetic pick-up

Part No.	Description	1	10	50	100
226093CG	Precision screwdriver 	\$4.49	\$4.29		

7-Pc Insulated Screwdriver Set

- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999CG	Screwdriver set 	\$17.95	\$16.15

6-Pc Precision Torx Screwdriver Set



- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T19 x 50mm Torx hex screwdrivers

Part No.	Description	1	5
226106CG	Precision TORX screwdriver 	\$12.95	\$12.29

6-Pc Precision Screwdriver Sets

34041CG includes: 3/64", 1/16", 5/32", 3/16", 1/8", 9/64" slotted screwdrivers

34059CG includes: 3/64"#0, 1/16"; 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041CG	Slotted set 	\$3.59	\$3.23	\$2.91
34059CG	Phillips set 	3.59	3.23	2.91



7-Pc Nut Driver Sets

- Premium hardened steel sockets
- Large colored handles

 Blue Part No. = Limited Quantity Available

261850CG: Metric 5mm, 6mm, 8mm, 9mm, 10mm, 11mm & 13mm

261841CG: SAE 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

Part No.	Description	1	5
261850CG	Metric nut driver set 	\$8.99	\$8.65
261841CG	SAE nut driver set 	9.89	9.49

6-Pc Long-Neck Screwdriver Set

- Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L; 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451CG	6-pc. screwdriver set 	\$8.95	\$8.06	\$7.25

6-Piece Screwdriver & Pliers Set


- One micro cutting nipper
- One micro flat nose pliers
- 2 long-neck slotted: 0.12"Dia. x 9.61"L; 0.09"Dia. x 7.64"L
- 2 long-neck Phillips: No.0, 0.12"Dia. x 9.61"L; No.2, 0.09"Dia. x 7.64"L

Part No.	Description	1	10	50
99565CG	Screwdriver/pliers 	\$13.49	\$11.47	\$8.60

5-Piece Pliers Set


- Precision machined heat-treated jaws
- Vinyl insulated handles

Includes: 6.5" needle nose; 7.5" lineman's; 8" slip joint; 8" groove joint & cutting pliers

Part No.	Description	1	5
261905CG	Pliers set 	\$9.75	\$9.25

Precision 5-Piece Stainless Steel Pliers Set

- Spring return
 - Insulated handles
- NEW**
- Includes: One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73121CG	5-piece set 	0.6	\$17.95	\$16.16	\$14.54



Xcelite Needle Nose Pliers

217891CG (submini needle nose): Serrated jaws

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas

217998CG: Smooth jaws

- General purpose for pick-up and wire forming

Part No.	Prod. No.	Description	1	10
217891CG	L4 	4" mini needle nose	\$14.95	\$13.69
217998CG	LN54G 	5" thin long nose	14.95	13.46

Half-Round Long Nose Pliers

- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws

 Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50	100
177607CG	Half-round pliers 	\$4.95	\$4.49	\$3.95	\$3.59


5" Cutting Pliers




Recommended for cutting copper and soft lead wires. Ideal for precise circuit board work. Spring loaded.

Part No.	Description	1	5
261809CG	Cutting pliers 	\$4.99	\$4.55




5.3" Flat and Half-Round Long Nose Pliers

- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose

 Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50	100
35473CG	Flat long nose 	\$5.49	\$4.94	\$3.95	\$2.96
195531CG	Flat long nose 	5.19	4.64	3.65	2.66
35490CG	Half round 	5.49	4.94	3.95	2.96





Xcelite Diagonal Cutters

Part No.	Description	1	10	50	100
217921CG	4" oval head-flush	\$15.95	\$14.36		
217955CG	S475JS  4" relieved head-flush	14.95	13.46		
217904CG	MS549J  4" tapered head-flush	14.95	13.46		
217867CG	MS545J  4" slim line tapered head-flush	14.95	13.46		

Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort

 Blue Part No. = Limited Quantity Available

Part No.	Prod. No.	Description	1	10
217921CG	MS54J 	4" oval head-flush	\$15.95	\$14.36
217955CG	S475JS 	4" relieved head-flush	14.95	13.46
217904CG	MS549J 	4" tapered head-flush	14.95	13.46
217867CG	MS545J 	4" slim line tapered head-flush	14.95	13.46

Cutting Pliers

Flush Cut

- Stainless steel
- Side cutting flush cut
- Leaf spring for smooth controlled action

Part No.	Description	1	5
261789CG	Cutting pliers 	\$6.95	\$6.55

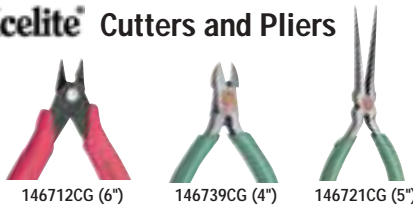
Heavy Duty Tubing Cutter

- Clever design eliminates spiraling, resulting in straight clean cuts with no burrs
- Cuts copper, brass, aluminum tubing and thin-wall conduit up to 1-1/8" diameter
- Fold-away reamer
- Extra cutter wheel stored in body
- Lightweight aluminum body and knob
- Telescopic wheel-feeding mechanism keeps turning radius constant • Length: 4.8"
- Folding deburring blade on backside

SALE

Part No.	Description	1	5
227475CG	Tubing cutter	\$12.15	\$11.19

Xcelite® Cutters and Pliers



- Spring returns
- 146712CG: Micro series wire cutter – flush; 6"
- 146739CG: Diag. wire cutter – semi-flush; 4"
- 146721CG: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	10	50	100
146712CG	170M	\$5.75	\$5.19	\$4.69	\$4.34
146739CG	MS54V	13.95	12.95	11.95	11.15
146721CG	MN7776V	16.95	15.95	14.95	13.95

Xcelite® Shearcutter/Pliers Set

- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L

Part No.	Product No.	1	10	25
152055CG	S2K	\$15.95	\$14.95	\$13.95

4" Diagonal Wire Cutter

- Drop forged steel
- Heat treated
- Vinyl grips
- Spring return action
- Polished head
- Length: 4"

Part No.	Description	1	10	50	100
179901CG	Wire cutter	\$5.49	\$4.94	\$4.45	\$4.00

4.3" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick
- Stainless steel
- Durable rubber handles
- Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade

Part No.	Description	1	10	50	100
35481CG	Wire cutter	\$5.59	\$4.99	\$4.55	\$3.99

5" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- Insulated handles
- Jaws are designed for flush cutting
- 5.0"L x 1.8"W w/ 0.5" cutting blade

Part No.	Cross Ref. No.	1	10	25
161411CG	Wire cutter	\$7.49	\$6.74	\$6.07

molex Hand Tools for Mini-Fit™ Jr.



304928CG: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928CG	63811-1000	Crimp tool	\$42.99	\$39.99
304936CG	11-03-0044	Extraction tool	19.99	18.99

5" Wire Cutter/Stripper

- Strips and cuts 20-24 AWG wires
- Insulated grips
- Spring loaded for easy use
- Cutter angled @ 45 degrees for use in tight places
- Size: 5.0"L x 3.0"W

Part No.	Product No.	1	10	50	100
159273CG	HT1091	\$5.49	\$4.94	\$4.45	\$4.00

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty
- 78991CG: 10-30 AWG (screw adjustable)
- 215888CG: 10-24 AWG (dial to adjust for wire gauge)
- Blue Part No. = Limited Quantity

Part No.	Cross Ref. No.	1	10	50	100
78991CG	HT108	\$3.95	\$3.49	\$2.95	\$2.59
215888CG	JE-2022C	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W
- 161226CG: Premium
- 12-20 AWG stranded; 10-18 AWG solid
- Color: yellow
- 161234CG: Premium
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red
- 161218CG: Standard
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red

Part No.	Prod. No.	Description	1	10
161226CG	ID45-215	Cushioned grips	\$16.75	\$15.91
161234CG	ID45-216	Cushioned grips	17.79	16.91
161218CG	ID45-121	Non-cushioned grips	13.59	12.95

6.6" Wire Stripper

- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W

Part No.	Product No.	1	10	50
159290CG	HT5023	\$9.95	\$8.96	\$8.06

7-in-1 Wire-Handling Tool

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W
- Blue Part No. = Limited Quantity Available

Part No.	Prod. No.	Description	1	10	50
18796CG	HT1041	10-18AWG	\$4.95	\$4.49	\$3.95
127861CG	HT1042	16-26AWG	5.95	5.36	4.82
127870CG	HT1043	22-30AWG	5.49	4.94	4.45

Automatic Wire Strippers

175098CG: Spring load grip

- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

202841CG:

- Size: 6.5"L x 3.0"W
- Weight: 0.3 lbs.

Part No.	Description	1	10	25
175098CG	Strips 8-22 AWG	\$16.95	\$15.26	\$13.73
202841CG	Strips 3-24 AWG	12.45	10.58	7.94

Rotary Coax Cable Strippers

2 and 3 Blade

159118CG (3 Blade):

- 2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W
- Color: black

159185CG (2 Blade):

- 4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- Color: gray

Includes: Hex key wrench for adjusting blade

Part No.	Product No.	1	10	25
159118CG	HT312B (3 blade)	\$14.65	\$13.19	\$11.55
159185CG	HT332D (2 blade)	13.95	12.56	11.30

Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W
- Weight: 0.8 lbs.

Includes: Cut and strip blade

Part No.	Cross Ref. No.	1	10
174684CG	TTK071	\$26.95	\$24.26

Telemaster Modular Connector Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 6.0"L x 2.0"W
- Weight 0.8 lbs.

Includes: Cut and strip blade

Part No.	Product No.	1	10
161091CG	ID30-496	\$39.95	\$36.65

Ratchet Crimp Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 8.5"L x 2.2"W
- Weight: 1.2 lbs.

Includes: Cut and strip blade

Part No.	Cross Ref. No.	1	10
174676CG	TTK070	\$39.95	\$35.99

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Professional Modular Connector Crimping Tool

- Spring return action
 - 6mm and 12mm stripping guide
 - Crimp modular plugs without changing dies
 - Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
 - Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.
- | Part No. | Product No. | 1 | 10 | 25 |
|----------|---|---------|---------|---------|
| 181147CG | HT200  | \$54.95 | \$49.49 | \$44.55 |




Modular Connector Crimping Tool Set

- 8" metal modular crimping tool
 - Cuts, strips and crimps
 - Crimps RJ11 and RJ45 plugs
 - Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
 - Weight: 2.1 lbs.
- Includes:** 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C
- | Part No. | Product No. | 1 | 10 | 25 |
|----------|---|---------|---------|---------|
| 73496CG | HT2000B  | \$74.95 | \$67.49 | \$60.75 |




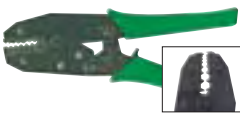
Metal Modular Connector Crimping Tool

- Cable stripper and wire cutter
 - Size: 8.0"L
 - Weight: 1.8 lbs.
 - Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)
- | Part No. | Description | 1 | 10 | 25 |
|----------|---|---------|---------|---------|
| 114526CG | RJ11/RJ45  | \$24.95 | \$22.49 | \$20.25 |





Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
 - Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
 - All steel construction
 - Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.
- | Part No. | Product No. | 1 | 10 | 25 |
|----------|---|---------|---------|---------|
| 114534CG | HT-336G  | \$23.95 | \$21.59 | \$19.45 |





5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
 - Three locking positions
- | Part No. | Cross Ref. No. | Description | 1 | 10 | 50 |
|----------|---|--------------|--------|--------|--------|
| 115107CG | HEMO1  | Straight .. | \$3.49 | \$3.14 | \$2.83 |
| 115115CG | HEMO2  | Curved | 3.95 | 3.56 | 3.20 |



Non-Insulated Terminal D-Sub Crimping Tool

- 14-26 AWG**
- Heavy-duty metal tool with cutter and insulated handles
 - For computer pins and sockets, D-sub 26-28 AWG wire
 - For butt-insulated connectors, 22-26 AWG wire
 - For telephone spade lugs, 22-26 AWG wire
 - For non-insulated connectors, 20-22 AWG wire
 - For non-insulated connectors, 14-18 AWG wire
 - Coiled spring return • Size: 7.3"L x 1.5"W
-  Blue Part No. = Limited Quantity Available
- | Part No. | Product No. | 1 | 10 | 25 | 100 |
|----------|--|--------|--------|--------|--------|
| 99442CG | HT202A  | \$9.49 | \$8.55 | \$7.69 | \$6.95 |






D-Sub Crimping Tool

- 20-28 AWG**
- Crimps D-sub pins and sockets
 - For use w/ P/Ns 43377CG, 43369CG, pg 128 & 100765CG, pg 148
 - Size: 7.0"L x 4.0"W
- NEW**
- | Part No. | Product No. | 1 | 10 | 25 |
|----------|---|---------|--------|--------|
| 159266CG | HT213  | \$10.95 | \$9.89 | \$8.89 |



Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
 - Time-saver when working on prototyping, chassis, and circuit boards
 - Minimum .375" hole required
 - Size: 7.8"L 
- | Part No. | Prod. No. | Description | 1 | 10 | 25 |
|----------|--|-----------------|--------|--------|--------|
| 18809CG | HT204  | Nibbling tool | \$7.95 | \$7.16 | \$6.44 |
| 29331CG | HT204B  | Replacement bit | 4.49 | 4.04 | 3.64 |



Ratcheted Modular Connector Crimping Tool

- Insulated grip
 - Ratcheted type
 - Metal • 7.5"L
 - Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.
-  Blue Part No. = Limited Quantity Available
- | Part No. | Description | 1 | 10 | 25 |
|----------|--|---------|---------|---------|
| 159311CG | RJ45/11/12  | \$21.95 | \$19.95 | \$17.95 |



9-in-1 Pocket Multi-Tool

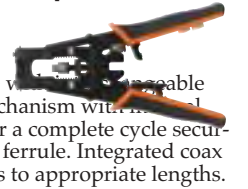
- Bottle opener • Metal file
 - Flashlight • Knife blade
 - Nail pick • Wire cutter
 - 2 handyman/long-nose pliers
 - Phillips screwdriver • Folded: 2.75"L
-  Blue Part No. = Limited Quantity Available
- | Part No. | Description | 1 | 5 |
|----------|--|--------|--------|
| 227264CG | 9-in-1 pocket multi-tool  | \$2.59 | \$2.35 |

SALE



Connector Compression

- Designed to compress ferrules of "F" /BNC/ RCA connectors. Black oxide steel frame with replaceable die sockets, ratchet mechanism with 1:1 release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.
- | Part No. | Description | 1 | 5 |
|----------|--|---------|---------|
| 261761CG | Compression multi-tool  | \$34.95 | \$31.45 |



"F" Connector Compression Tool

- Compresses RG-6 and RG-59 Snap-N-Seal type connectors.
- Length: 5"
- | Part No. | Description | 1 | 5 |
|----------|--|---------|---------|
| 261753CG | Compression tool  | \$29.95 | \$28.45 |




25-Piece Hex Key Set

- 12-piece SAE long arm with sizes from 1/16" to 3/8"
 - 13-piece Metric short arm with sizes from 1.5mm to 1cm
- | Part No. | Description | 1 | 5 |
|----------|---|--------|--------|
| 261825CG | Hex key set  | \$6.95 | \$6.59 |



Automatic Center-Punch Tool

- Adjustable**
- Precision instrument
 - Alloy steel point
 - Knurled steel body • Size: 5.0"L x 0.5"Dia.
- | Part No. | Description | 1 | 10 | 50 |
|----------|---|--------|--------|--------|
| 160282CG | Center punch tool  | \$5.95 | \$5.39 | \$4.85 |



T-Handle Reamer Tool

- Excellent for aluminum chassis work**
- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
 - T-handle for easy rotation of tool
 - Handle: 3.3" long, tool: 5.3" long
-  Blue Part No. = Limited Quantity Available
- | Part No. | Description | 1 | 10 | 25 |
|----------|---|--------|--------|--------|
| 151749CG | T-handle reamer  | \$7.95 | \$7.49 | \$6.95 |



Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
 - Size: 6.3"L x 2.8"W x 1.4"H
- Includes:** 13 types of blades
- | Part No. | Description | 1 | 10 | 25 |
|----------|--|---------|--------|--------|
| 72768CG | 13 blade knife set  | \$10.95 | \$9.86 | \$8.87 |



Order Anytime, Day or Night!

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242



4-Piece Adjustable Wrench Set

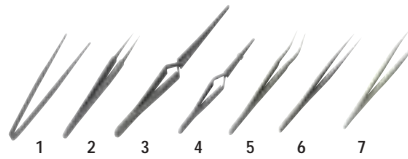
Heavy-duty carbon steel wrenches with black industrial finish. Constructed with rugged I-beam handle and four-sided jaw design for better fit and strength.

- Length x jaw opening: 12" x 1 3/16"; 10" x 1 1/16"; 8" x 1"; 6" x 1 1/16"



Part No.	Description	1	5
261711CG	Adjustable wrench set	\$11.05	\$9.90

Tweezers



- 253163CG: Straight, round tapered, wide-point tip
- 252929CG: Straight round tapered, fine-point tip, stainless steel
- 252945CG: Self-closing reverse-action tweezers; wide point tip; stainless steel
- 252937CG: Self-closing reverse-action tweezers; medium point tip; stainless steel
- 253091CG: Curved fine-point tip
- 252911CG: Straight fine-point tip
- 253112CG: Fine-point tip, insulated, anti-static

Part No.	Length	Photo	1	10	25
253163CG	4.5"	1	\$.89	\$.79	\$.73
252929CG	4.75" ⊕	2	2.25	1.99	1.79
252945CG	6.6"	3	1.99	1.79	1.65
252937CG	4.3" ⊕	4	2.25	1.99	1.79
253091CG	4.6" ⊕	5	2.25	1.99	1.79
252911CG	4.75" ⊕	6	2.25	1.99	1.79
253112CG	4.75" ⊕	7	2.25	1.99	1.79

33' Magnetic Tip Tape Measure

Retractable measuring tape's case has a rubber finish for easy grip and yellow contrast for easy visibility.

- 1" wide
- Metric and inches with 1mm and 1/16" scales
- Triple riveted magnetic end hook
- Bottom & side buttons for temporary tape lock
- Front thumb lock for permanent locking of tape measure
- Belt clip and strap



⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
261833CG	Measuring tape ⊕	\$7.69	\$6.89

Adjustable Wrench

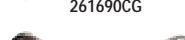
Made of chrome-plated carbon steel with knurled adjustment screw and angled head. Size: 6"L x 13/16".



Part No.	Description	1	5
261649CG	Adjustable wrench ⊕	\$4.15	\$3.69

Combination Wrenches

Made from hardened, tempered, drop forged chrome vanadium steel. These wrenches have a straight open end and a 120° offset bi-hexagonal ring.



Part No.	Description	1	5
261702CG	9/16" wrench	\$2.25	\$2.00
261690CG	1/2" wrench	2.25	2.00
261681CG	7/16" wrench	2.25	2.00

Strip-Wrap-Unwrap Tool

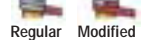
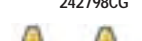
- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 110 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections
- 4.5" long



Part No.	Cross Ref. No.	1	10	25
34585CG	HSM30 (Modified) ⊕	\$49.99	\$44.99	\$39.99
236785CG	HSR30 (Regular) ⊕	30.55	27.49	24.45

30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.



Part No.	Description	1	10	25
242801CG	Tool (regular)	\$19.95	\$18.49	\$15.95
242798CG	Tool (modified)	21.95	19.95	17.15
242827CG	Replace tip for 242801CG	6.49	5.85	5.29
242819CG	Replace tip for 242798CG	7.49	6.75	5.89
242835CG	Replace stripper assembly	5.49	4.67	3.50

Magnetizer/Demagnetizer

Magnetize tips of screwdrivers for easy pick-up of small metal objects; demagnetize tips to prevent electrostatic discharge that will damage electronic components.

- Size: 2.0"L x 2.0"W x 1.2"D



Part No.	Description	1	5
239530CG	Magnetizer/demagnetizer ⊕	\$6.29	\$5.66

2-Piece Tweezer Set

- PVC insulated handles
- Serrated tips for parts handling
- Bent tip and straight rounded tip (wide tip)
- Length: 5.8"



Part No.	Description	1	10	25
253180CG	Tweezer set	\$2.59	\$2.33	\$2.09

4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735CG	4-piece tweezer set ⊕	\$7.95	\$6.95	\$5.95

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic
- Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal



Part No.	Description	1	10	100
99362CG	IC straightener ⊕	\$6.95	\$6.26	\$5.63

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade



175071CG: Tool with blade

- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324013CG: Tool with blade

- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H

175089CG: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071CG	Tool with 66 blade ⊕	\$34.95	\$31.46
324013CG	Tool with 110 blade ⊕	37.39	33.65
324021CG	Punch-down blade 66 ⊕	14.95	13.49
175089CG	Punch-down blade 110 ⊕	14.95	13.49

Digital Display Calipers

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty



Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783CG, pg 262)

Part No.	Description	1	10	25
127482CG	Digital disp. calipers ⊕	\$64.95	\$58.46	\$52.61

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal
- Color: silver



Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134CG	Metric (.02 mm) ⊕	\$29.95	\$26.96	\$24.26
116126CG	Inches (.001 inch) ⊕	29.95	26.96	24.26
684449CG	Metric/Inches	43.75	39.35	35.41

3X, 3-Bulb Magnifying Lamp

Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- 47" long arm
- 2 on/off buttons
- Color: beige
- UL listed
- Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517CG	Adj. magnifying lamp	\$79.95	\$74.95	\$69.95

3X Magnifying Lamps

- 45" extension arm
- Supplied with 22-watt circuline tube
- New wire clip design permits easy installation
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power req.: 110VAC/60Hz
- 3-diopter lens
- Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829CG	Black lamp	\$59.95	\$53.95	\$49.95
149981CG	White lamp	59.95	53.95	49.95

Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens
- Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710CG	Magnifying lamp	\$26.49	\$25.19	\$23.89

Precision 5X Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456CG	Magnifying lamp	\$109.95	\$98.95	\$88.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 343.

Tweezers with 8X Magnifier

The perfect combination hand tool for professionals working with small objects. Magnifying glass stays in perfect focus with tweezer heads.

- Stainless steel construction
- Precision tip tweezers
- 1.2" diameter 8 diopter lens
- Length: 3.8"

Part No.	Description	1	5
217824CG	Tweezer magnifier	\$6.29	\$5.99

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Size: 2.9"L x 0.6"W
- One-year warranty
- Includes:** 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	10
88268CG	Vacuum pick & place kit	\$32.95	\$29.65



Anti-Static Equipment

Protective Coiled Grounding Wrist Strap

- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long
- Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552CG	Anti-static strap	\$6.49	\$5.85	\$5.29



3M Disposable Anti-static Wrist Strap

Disposable wrist strap for one time use and low durability applications. A hypoallergenic adhesive provides 360° contact with the skin to minimize skin-to-band resistance. The conductive adhesive on the copper foil adheres to any convenient electrical ground. A current limiting resistor is fabricated into the plastic ribbon below the wristband. One size fits all.

- Ship along with components and devices such as integrated circuits and computer peripheral cards

Part No.	Product No.	1	10	25
285456CG	3M 2209	\$1.39	\$1.32	\$1.25



Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864CG: 24.0"L x 12.0"W x 0.25"H

* Prepackaged: order in increments of 5

Part No.	Description	1	5
13864CG	Anti-static foam	\$9.29	\$8.35
78668CG	4" x 6" anti-static bags	*	.16
78650CG	8" x 10" anti-static bags	.69	.51



13864CG



78668CG

4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638CG	4-piece tweezer set	\$11.95	\$10.95	\$9.95

PLCC Surface Mount and DIP IC Extractors



16766CG

16838CG

- Size: 4.0"L x 2.0"W (both)

Part No.	Product No.	Description	1	10	100
16766CG	HT103B	PLCC ...	\$3.95	\$3.55	\$3.19
16838CG	HT103A	DIP	1.49	1.25	1.09

Anti-Static Heel Strap

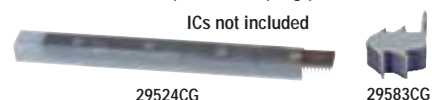
- Discharges static without restricting your mobility
- Ideal for anyone handling static sensitive devices
- Ground strap: 15.5"L



Part No.	Description	1	10	100
100327CG	Heel strap	\$5.49	\$4.99	\$4.55

Anti-Static Plastic DIP IC Storage Tubes and Rubber Rail Stops

- 29516CG:** Thin tube (rail) fits 8, 14, 16, 18, 20 and 22-pin integrated circuits. • Length: 23.75"
- 29524CG:** Wide tube (rail) fits 24, 28, 32, 40 and 48-pin integrated circuits. • Length: 20"
- 29583CG:** Rubber stops used to plug plastic rail ends



ICs not included

29524CG

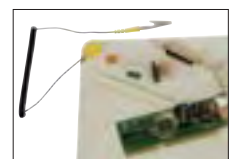
29583CG

* Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref. No.	Description	1	10	100
29516CG	RIC20	Thin rail	\$4.99	\$4.44	\$4.40
29524CG	RIC220	Wide rail	.55	.36	.23
29583CG	RRS	Rubber stop	*	.08	.06

Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



236540CG

Ⓢ Blue Part No. = Limited Quantity

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576CG	11.3" x 22"	0.7	\$9.95	\$8.96	\$8.06
10583CG	19.5" x 23.5"	1.1	13.95	12.59	11.35
236540CG	23.5" x 27.5"	1.4	24.95	22.49	20.19

Soldering/Desoldering Stations & Accessories

Color Code Legend
New Sale Lower\$ QtySave



45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673CG	XYT379-C	45-Watt soldering station	\$59.95	\$53.95	\$48.95
156814CG	XYB01	Sharp conical chisel 1/32" tip	4.95	4.49	3.95
156822CG	XYB04	Conical chisel 1/16" tip	4.95	4.49	3.95
134631CG	SP715	Replacement sponge	2.99	2.69	2.49



60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at $\pm 6^\circ\text{F}$
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115CG – below)



Part No.	Product No.	Description	1	10	25
236101CG	XY9-60D/ESD	Digital soldering station – ESD safe	\$109.95	\$99.95	\$89.95
219627CG	XY9-60A	Analog soldering station	99.95	89.95	79.95
168401CG	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583CG	46-060102	Tip .078" for P/N 168401CG	11.95	10.79	9.69
168591CG	46-060115	Tip .590" for P/N 168401CG	12.95	11.69	10.49
236460CG	78-744615	Replacement sponge for both stations	2.99	2.69	2.49

Special 5% Bundle Savings
Complete ISO 9000 digital station – P/N 236101CG & 125508CG
Sold separately \$409.90
Combined: P/N 207263CG **\$388.95**

60-Watt Desoldering & Solder/Desoldering Stations



- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes

125508CG:

- Size: 9.2"L x 7.2"W x 3.6"H
- Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

125516CG/223853CG: Size: 11"L x 10"W x 4.0"H; Wt.: 18.1 lbs.

Includes: XYD12 tip, solder holder, tip cleaner and tweezers

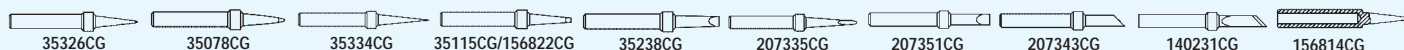
223853CG: Dual display of tip temperature with selector switch for °C or °F and read/set temperature






















Part No.	Product No.	Description	1	10	25
125508CG	968	Desoldering station	\$299.95	\$269.99	\$242.99
125516CG	988	Solder/desoldering station	399.95	359.99	323.99
223853CG	988D	Solder/desoldering (dual display)	459.95	413.95	372.55
207271CG	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221CG	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583CG	46-060102	Tip .078" for P/N 207271CG	11.95	10.79	9.69
168591CG	46-060115	Tip .590" for P/N 207271CG	12.95	11.69	10.49
236460CG	78-744615	Replacement sponge for all stations	2.99	2.69	2.49

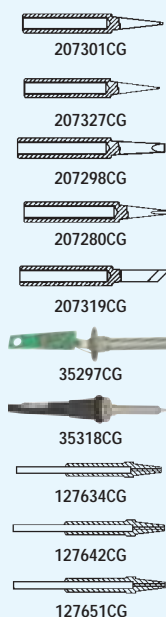
Replacement Sponges for Legacy Models

Part No.	Product No.	For Station	1	10	100
134640CG	SP815	168-3C	\$2.99	\$2.55	\$1.95
134631CG	SP715	XY-60D, XY-379 & P/N 229673CG	2.99	2.69	2.49

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



			For XYTronic Model Numbers (*Legacy Models)														
			168ESD	168*	200C, 200PHG	379	XY960A 168SD	960*	968	988	999SD*	JS258*	168-3C	2680*	Pricing		
Part No.	Cross Ref. No.	Description													1	10	25
35326CG	XY401	 Soldering tip - conical bevel 1/32"			✓	✓		✓	✓			✓	✓	✓	\$4.49	\$3.95	\$3.65
35078CG	XY402	 Soldering tip - semi-chisel 1/32"			✓	✓		✓	✓			✓	✓	✓	4.49	3.95	3.65
35334CG	XY403	 Soldering tip - conical sharp 1/64"			✓	✓		✓	✓			✓	✓	✓	4.49	3.95	3.65
35115CG	XY404	 Soldering tip - conical chisel 1/16"			✓	✓		✓	✓			✓	✓	✓	4.49	3.95	3.65
35238CG	XY405	 Soldering tip - semi-chisel wide 1/8"			✓	✓		✓	✓			✓	✓	✓	4.49	3.95	3.65
207335CG	XY406	 Soldering tip - long conical chisel 3/64"			✓	✓		✓	✓			✓	✓	✓	2.95	2.69	2.39
207351CG	XY410	 Soldering tip - chisel 3/16"			✓	✓		✓	✓			✓	✓	✓	2.95	2.51	1.88
207343CG	XY411	 Soldering tip - wedge 3/16"			✓	✓		✓	✓			✓	✓	✓	2.95	2.69	2.39
140231CG	XY430	 Soldering tip - SMD flat pack 7/32"			✓	✓		✓	✓			✓	✓	✓	8.95	7.95	7.25
156814CG	XYB01	 Soldering tip - sharp conical chisel 1/32"	✓				✓			✓					4.95	4.49	3.95
207301CG	XYB02	 Soldering tip - conical semi-sharp 1/32"	✓				✓			✓					4.95	4.21	3.16
207327CG	XYB03	 Soldering tip - conical sharp 1/64"	✓				✓			✓					4.95	4.49	3.95
156822CG	XYB04	 Soldering tip - conical chisel 1/16"	✓				✓			✓					4.95	4.49	3.95
207298CG	XYB05	 Soldering tip - semi-wide chisel 1/8"	✓				✓			✓					4.95	4.21	3.16
207280CG	XYB06	 Soldering tip - long conical chisel 3/64"	✓				✓			✓					4.95	4.49	3.95
207319CG	XYB30	 Soldering tip - wedge blade 3/16"	✓				✓			✓					8.95	7.61	5.71
35297CG	XY37	 Heating element - (nichrome)			✓	✓		✓				✓		✓	20.95	18.95	16.95
35318CG	XY48	 Assembly - 60W w/ nichrome heater			✓	✓		✓				✓		✓	30.95	27.95	24.95
127634CG	XYD10	 Desoldering tip - 1.0mm (.0394")							✓	✓	✓	✓			8.95	7.95	7.25
127642CG	XYD12	 Desoldering tip - 1.2mm (.0472")							✓	✓	✓	✓			8.95	7.95	7.25
127651CG	XYD15	 Desoldering tip - 1.5mm (.0586")							✓	✓	✓	✓			8.95	7.95	7.25



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Prod. No.	Description	1	10
146595CG	WLC100	Soldering station	\$48.95	\$44.09

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

Part No.	Prod. No.	Description	1	10
146608CG	ST1	Screwdriver tip 1/16"	\$5.95	\$5.35
146616CG	ST3	Screwdriver tip 1/8"	5.95	5.35
192145CG	ST6	Screwdriver tip .031"	5.25	4.75
146624CG	ST7	Conical tip 1/32"	5.95	4.95

Weller® 42-Watt Controlled-Output Soldering Station

- Transformer powered soldering station complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552CG	WTCP	Solder station	\$129.95	\$124.95
192161CG	TC201T	Replac. iron	68.95	62.05
192170CG	PTA6	.062" screwdriver tip (600°F)	6.95	6.25
192188CG	PTA7	.062" screwdriver tip (700°F)	5.69	5.15
192196CG	PTA8	.062" screwdriver tip (800°F)	5.69	5.15

60-Watt Analog Display Soldering Station

- Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.
- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115CG, pg 314)

236460CG: Replacement sponge

Part No.	Product No.	1	10	25
236110CG	168-3C	\$89.95	\$79.95	\$72.95
236460CG	78-744615	2.99	2.69	2.49

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461CG	WES51	Analog	\$115.95	\$105.95
233533CG	WESD51	Digital	158.95	150.99

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered

Part No.	Prod. No.	Description	1	10
16774CG	ETA	Screwdriver 1/16"	\$6.95	\$6.25
16782CG	ETJ	Long screwdriver 1/32"	6.95	6.25
16803CG	ETR	Narrow screwdriver 1/16"	6.95	6.25
16811CG	ETS	Long conical 1/64"	6.95	6.25

SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F • 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.095" tip

Part No.	Description	1	10	25
168410CG	Tweezer iron	\$59.95	\$53.95	\$48.95
168583CG	Tip .078"	11.95	10.79	9.69
168591CG	Tip .590"	12.95	11.69	10.49

velleman

3-in-1 Lab Center

Your space saving lab solution! Everything you need in one unit.

Digital Multimeter:

- 3-1/2 backlit LCD
- DC voltage ranges: 200mV to 600V
- AC voltage ranges: 200V to 600V
- Resistance ranges: 200Ω to 2MΩ
- Automatic polarity indication
- Data hold function and buzzer
- DC current ranges: 200μA to 10A
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output voltages: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- LED overload and power indicators

Soldering Station:

- 48W ceramic heating element with temperature sensor
- Temperature range: 150°C to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Product No.	Description	1	5
695025CG	LAB1	3-1/2 digital multimeter, regulated power supply and soldering station	\$172.95	\$163.97

ESD-Safe, Lead-Free Soldering Station

The ideal tool for service and repair technicians as well as production line soldering operators.

- Specifically designed for RoHS-compliant soldering
- ±3°C temp. stability • 100W, 115/230VAC 50/60Hz
- Temperature adjustable 0-45°C (0-85°F)
- 24VAC Hi-Recovery nichrome heating
- Auto power down idle circuitry, 15-min non-operation
- 45 second ramp time to max temp setting
- Full digital LED readout in both °C and °F
- Easy external calibration port
- Slimline ergonomic pencil design for maximum dexterity and comfort
- Revolutionary "Zero Voltage" electronic switching design protects voltage and current-sensitive components against damaging current and transient voltage spikes
- Pb-free (lead-free) soldering application qualified
- Size: 6.1"W x 6"D x 4"H • Weight: 8.0 lbs.

Part No.	Description	1	5
667551CG	LF-1000 soldering station	\$179.95	\$170.95

Weller® Soldering Tips

Replacement Tips for WSL

Part No.	Prod. No.	Description	1	5
233576CG	NT1X	0.8mm bent round	\$10.45	\$9.95
233550CG	NTA	0.6mm chisel	8.59	8.29
233541CG	NT1	0.25mm micro	9.99	8.29



SMD Rework Station

- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Long-life ceramic heating element
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature
- Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element • Weight: 2.6 lbs

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629CG	Rework station	\$89.95	\$80.99	\$72.85
168583CG	.078" tip	11.95	10.79	9.69
168591CG	.590" tip	12.95	11.69	10.49



Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115CG, pg 314)

236460CG: Replacement sponge

Part No.	Product No.	1	10	25
236110CG	168-3C	\$89.95	\$79.95	\$72.95
236460CG	78-744615	2.99	2.69	2.49

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)



16 to 30-Watt Variable Soldering Iron, Stand & Sponge

116572CG:
• Length: 7.5"

36329CG:
• Black anodized steel base – 5.3"L x 3.3"W
• See below for replacement sponge (P/N 134631CG)
• Fits most soldering irons .85" diameter

Includes: Sponge

Part No.	Description	1	10	100
116572CG	Soldering iron	\$16.95	\$15.29	\$13.75
36329CG	Soldering stand	4.95	4.46	4.01
134631CG	Sponge (for P/N 36329CG)	2.99	2.69	2.49



Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

• 120VAC; 6' cord • 25-watt power consumption
• Interchangeable tips (pg 314) • UL listed
• Length: 8.0" • One-year warranty

Includes: 1.6mm conical tip

Part No.	Description	1	10	25
129040CG	25W solder. iron	\$11.49	\$10.35	\$9.35

Weller® High-Quality 25-Watt & 35-Watt Soldering Irons

• Interchangeable heater elements
• Lightweight handle with cushioned grip
• Quick change knurled collar
• Length: 9"
• 120VAC @ 60Hz

Includes: Power cord & ST3 tip (pg 315)

Part No.	Product No.	Description	1	10
170587CG	WP25	25W solder iron	\$32.95	\$31.35
192102CG	WP35	35W solder iron	39.95	35.95
192153CG	PH25	Solder iron stand	17.59	16.69

Weller® 100-Watt Soldering Iron

• "Closed loop" method of controlling max. tip temperature
• Nominal heat-up time with 700°F tip is 110 seconds
• 120VAC @ 60Hz input
• Length: 6"

Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Prod. No.	Description	1	5
192081CG	W100PG	Solder iron	\$62.95	\$59.79
192090CG	CT6F7	.375" scrwdrv tip	8.59	7.75

Vacuum Pen Tools

• ESD safe body
• Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	10	25
207239CG	Handvac tool	\$19.99	\$17.99	\$16.19
207247CG	Pen vac tool	37.95	34.25	30.49

Special! Low-Cost Irons

30-Watt Soldering Iron and Stand

- UL approved
- Ideal for precision work
- 1/4" removable tip
- Length: 8.3"
- 110-120VAC

Blue Part No. = Limited Quantity

Part No.	Description	1	10	100
102461CG	30W soldering iron	\$4.99	\$4.49	\$4.04
116020CG	Replacement tips (2)	2.25	1.91	1.43
36329CG	Soldering stand	4.95	4.46	4.01

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC

Part No.	Description	1	10	100
208987CG	35W soldering iron	\$2.99	\$2.69	\$2.45
208995CG	Replacement tips (2)	.99	.89	.79
209074CG	Solder roll, 8mm (.031")	6.35	5.69	5.15



Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

• 25W, 40W, & 60W • Length: 9"
• 120VAC; 6' cord with 3-prong plug

Tips for 224611CG/224602CG:

226000CG chisel; 226018CG conical

Tips for 195223CG:

226026CG chisel; 226034CG conical

Part No.	Product No.	1	10	25
224611CG	200PHG-25W	\$7.95	\$7.15	\$6.45
224602CG	200PHG-40W	8.95	8.06	7.25
195223CG	200PHG-60W	13.95	12.49	12.11
226000CG	44-240517 tip	.95	.85	.79
226018CG	44-240513 tip	.95	.85	.79
226026CG	44-240617 tip	1.95	1.79	1.59
226034CG	44-240603 tip	1.95	1.79	1.59

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Prod. No.	Description	1	5
152207CG	PSI-100K	Tool kit	\$79.95	\$75.95

Butane-Powered Cordless Soldering Iron and Tips

Quantity SAVE



This butane-powered soldering iron is designed for many popular cordless applications. Most common are automotive repair, aviation, electrical components, field repair, shrink tubing, television repair and more.

- Cordless, simple operation in the shop or field
- No electrical interference
- Automatic ignition
- Up to 200 minutes of operation in a full load
- Soldering temperature range: 240°F to 1000°F
- Torch temperature: 2400°F

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Description	1	5
255265CG	PRO-120	Soldering iron	\$41.95	\$39.85
262107CG	S-30	Tip, deflector	1.19	1.09
255273CG	PS-1	Tip, 1/32" flat	8.35	7.95
255302CG	PS-3	Tip, 1/8" flat	8.99	8.75
255311CG	PS-4	Tip, 3/16" flat	8.99	6.74
255329CG	PS-5	Tip, 1/32" chisel	8.99	6.74
255337CG	PS-6	Tip, 3/32" chisel	8.99	8.75
255362CG	PS-9	Tip, hot knife	*	8.75
255370CG	PS-10	Tip, hot blower	8.99	8.75

Velleman® Butane Powered Cordless Soldering Iron

- Cordless, simple operation
- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Prod. No.	Description	1	10
645520CG	GASIRON2	Soldering iron	\$29.55	\$28.15
645554CG	GASIRON2/SPB	Replacement tip	1.79	1.69

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783CG	Power Pro cordless iron	\$61.95	\$58.85

Over 99% of Our Catalog Products Are In Stock

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available











19255CG:

- UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.

19166CG: Size: 7.8"L x 0.8"Dia.

305218CG/305226CG: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19255CG	Electric desolder pump 	\$26.95	\$23.95
19166CG	Manual desolder pump 	4.95	4.49
305218CG	Man. desolder pump (ESD safe) 	18.95	17.99
305226CG	Manual desolder pump 	14.75	13.99
19262CG	1 tip for 19255CG 	4.95	4.49
22091CG	2 tips for 19166CG 	4.49	3.95
307774CG	1 tip for 305218CG 	4.55	4.35
307782CG	1 tip for 305226CG 	2.39	2.27

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.



Part No.	Description	1	10	100
169551CG	Spool & iron stand 	\$16.95	\$15.29	\$13.75

Solder Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.




Part No.	Description	1	10	100
141760CG	Solder spool stand	\$8.95	\$7.95	\$6.95

Vacuum Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up • Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. • One-year warranty



Part No.	Cross Ref. No.	1	5
262115CG	GV-300 	\$47.19	\$44.85

Clamp Vise

- No tools needed—finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W • Weight: 2.1 lbs.



Part No.	Description	1	10
127167CG	Clamp vise 	\$17.95	\$16.99

PANAMSE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up • Weight: 3.3 lbs.
- Size: 5.0"L x 4.0"W x 6.3"H • One-year warranty



Part No.	Product No.	1	10
27131CG	M381 	\$55.95	\$53.25

Solder Bars





- Used with solder pots
- Size: 13"L x 0.9"Dia.

176057CG: 60/40 170464CG: 63/37

668406CG: 99.3% tin, 0.7% copper

668414CG: 96.3% tin, 3.2% silver, 0.5% copper

668422CG: 96.5% tin, 3.5% gold

Part No.	Description	Wt. (lbs.)	1	10	25
176057CG	60/40 	1.1	\$8.49	\$7.65	\$6.89
170464CG	63/37 	1.8	11.95	11.33	10.77
668406CG	99.3/7 	2.2	33.79	31.95	30.11
668414CG	96.3/3.2/5 	2.2	67.89	61.69	55.53
668422CG	96.5/3.5	2.2	73.99	67.24	60.52



300-Watt Solder Pot

Temperature Regulated
Between 420°C and 450°C

- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057CG or 170464CG, above
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty




 Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
160303CG	300W solder pot 	\$64.95	\$58.49	\$52.65
668043CG	300W solder pot 	146.95	139.59	132.65



600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057CG or 170464CG, above
- Size (unit): 6.8"L x 5.5"W x 2.8"H • Weight: 7.4 lbs.
- Size (tub): 3.9"L x 1.6"D  Blue Part No. = Limited Quantity



Includes: Skimmer and removable dross tray

Part No.	Description	1	10
172275CG	600W solder pot 	\$189.95	\$180.45
668051CG	600W solder pot 	291.59	276.09

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057CG or 170464CG, above
- 3 conductor pigtail power cord: 5' long
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty




Part No.	Description	1	5
149876CG	2000 watt solder pot 	\$399.95	\$359.95

PANAMSE Vacuum Base Vise

- Lever locks vacuum pad into place on any flat, smooth, non-porous surface
- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment knobs control jaw pressure
- Arm movement is 140°; positive indents control movement to prevent "flopping" • Jaw size: 2"H x 1"W
- Base diameter: 3.4" • Overall height: 7.5"H
- Weight: 0.8 lbs.



Part No.	Product No.	1	10
251791CG	209 	\$29.99	\$27.59

SALE

Fume Extractor

Designed to remove solder flux fumes and other work place fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.



- Input voltage: 110 – 120V
- Power: 20W
- Fan specifications: 50dB S/N ratio: 87cfm
- Size: 8.3"H x 8.3"W x 5.3"D • Weight: 3.3 lbs.
- Arm length: 29"

Part No.	Product No.	1	10
667420CG	GS-630A	\$54.09	\$51.25
672579CG	GS-628-08 (carbon filter 3pk.)	15.99	14.39

Weller® Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.



- Voltage: 120VAC • Sound level: 45-50dB
- Air consumption: 87-107CFM • UL/CUL listed
- Power consumption: 20W • ESD safe
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H • Weight: 4.2 lbs.

Part No.	Product No.	1	5
684810CG	WSA350	\$47.95	\$44.95
684828CG	WSA350F (carbon filter)	7.15	6.79


Fume Extractor and Filters

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty



Includes: Detachable power cord

Part No.	Description	1	10	25
120150CG	Fume extractor 	\$58.95	\$52.95	\$47.79
127183CG	Replace. filters (2/pk) 	12.95	11.66	10.49

Combination 42-Watt Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500° to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169CG	456DLX 	\$89.95	\$86.29



Soldering Gun

This soldering gun with nozzle guide for solder is perfect for soldering through-hole components. Trigger action pulls out solder from the back of the soldering gun to the tip for the exact amount of solder.



SALE

- Power consumption: 40W • 120 VAC
- Solder entrance at the back of gun accepts 0.8mm to 2.3mm diameter solder
- Single hand operation • Lightweight
- Size: 7.5"L x 1.4"W x 5.9"H • Weight: 0.7 lbs.

Part No.	Description	1	10	25
319169CG	Single feed soldering	\$32.95	\$31.35	\$28.25

Soldering Tip Cleaner with Stand and Rosin Paste Flux

156777CG:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability



156777CG 73584CG

73584CG: Highly active non-corrosive and non-conductive flux with excellent wetting action

Part No.	Description	1	10	50
156777CG	Tip cleaner & stand	\$4.95	\$4.49	\$4.05
160004CG	Metal wool replacement	2.79	2.49	2.29
73584CG	Rosin paste flux (2 oz.)	2.95	2.36	1.77



Lead-Free Solder Tip Tinner

Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!



Safe and Effective!

- 0.7 oz. tin with self adhesive pad

Part No.	Description	1	10	50
132986CG	Lead-free tip tinner	\$4.95	\$4.59	\$4.19



5' No-Clean Desolder Braids

Meets all of the most stringent soldering standards for worldwide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.

- Length: 5'



139951CG

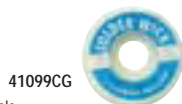


124126CG

Part No.	Description	1	10	100
139951CG	.030"W desolder braid	\$2.79	\$2.49	\$2.09
124126CG	.060"W desolder braid	2.55	2.33	2.11
124118CG	.075"W desolder braid	2.59	2.33	2.11
263708CG	.098"W desolder braid	2.89	2.64	2.51

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux



41099CG

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
41081CG	.079"W braid (5') ..	\$1.49	\$1.27	\$.95
41099CG	.098"W braid (5') ..	1.55	1.29	1.15
153461CG	.120"W braid (5') ..	1.59	1.39	1.25

73576CG



32117CG



170456CG



141778CG



* Organic core
Blue Part No. = Limited Quantity

Rosin Core Solder Rolls and Pocket Packs

Part No.	Manufacturer	% Composition				Dia. (in.)	Wt. (lbs.)	Pricing			
		Tin	Lead	Silver	Copper			1	10	50	100
668078CG	— R	99.3	—	—	0.7	0.04	0.6	\$10.45	\$8.64	\$8.20	\$7.79
668262CG	— R	96.3	—	3.2	0.5	0.04	0.6	15.45	13.27	12.61	11.98
668271CG	— R	96.5	—	3.5	—	0.04	0.6	16.85	14.47	13.75	13.06
668289CG	— R	99.3	—	—	0.7	0.04	1.1	19.39	15.69	14.91	14.16
668297CG	— R	96.3	—	3.2	0.5	0.04	1.1	28.59	23.33	22.17	21.06
668318CG	— R	96.5	—	3.5	—	0.04	1.1	31.19	25.43	24.16	22.95
668326CG	—	99.3	—	—	0.7	0.04	2.2	38.75	31.39	29.82	28.33
668334CG	— R	96.3	—	3.2	0.5	0.04	2.2	57.19	46.66	44.33	42.11
668342CG	—	96.5	—	3.5	—	0.04	2.2	62.39	50.86	48.32	45.90
141794CG	Super	60	40	0	—	0.031	0.55	5.95	5.39	4.85	4.35
141786CG	Super	60	40	0	—	0.031	1.10	7.95	6.95	6.25	5.82
141778CG	Super	60	40	0	—	0.031	2.20	13.95	12.95	11.95	11.43
170456CG	Golden	60	40	0	—	0.031	0.06	1.39	1.25	1.05	.99
73576CG	Kester (pak)	60	40	0	—	0.031	0.04	2.59	2.33	2.10	1.75
32117CG	Kester	60	40	0	—	0.031	1.00	13.55	12.25	11.05	9.95
73605CG	Kester (pak)	62	36	2	—	0.020	0.02	1.25	.99	.97	.96
112344CG	Kester	63	37	0	—	0.020	1.00	19.49	18.50	18.27	18.14
151474CG	Kester*	63	37	0	—	0.031	1.00	18.39	16.55	14.89	13.39



ProWick® Desoldering Braid

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- 263581CG with bobbin • Length: 5'



263695CG

Part No.	Product No.	1	10	100
263695CG	1803-5F (0.075"W)	\$2.09	\$1.90	\$1.80
263599CG	1804-5F (0.098"W)	2.39	2.25	2.04
263581CG	1811-5F (0.098"W)	2.65	2.47	2.25

Angled Bottle

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Nozzle is angled making it easier for applications in tight places.



Part No.	Description	1	5
667471CG	Angled bottle	\$7.45	\$7.08

Flux Dispensing Bottle with Capillary Needles

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Comes with capillary needles in .01" and .02" diameters, adapter for needles, squirt nozzle and cover.



Part No.	Product No.	1	10
667489CG	RD-7372A	\$6.79	\$6.45



Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover



Part No.	Description	1	10	50
158131CG	Pump bottle	\$9.95	\$8.95	\$7.95

Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W



Part No.	Mfr. Part No.	1	10	25
159126CG	HT156	\$2.65	\$2.38	\$2.15

Heat Sink and 7-Piece Soldering Aid Kit



100378CG: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts

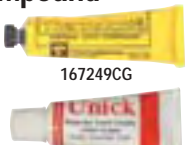
100503CG: Includes soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	50
100378CG	Heat sink	\$4.45	\$4.40	\$3.36
100503CG	Soldering kit	5.95	5.35	4.82

Heat Sink Compound

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.

- Color: opaque white



167249CG

236822CG

Part No.	Mfr. Part No.	1	10	100
167249CG	THM250 (2 oz.)	\$9.95	\$8.96	\$8.06
236822CG	54114 (1 oz.)	4.95	4.21	3.16

Heat Sink Compound 4-oz. Tube

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.



Part No.	Product No.	1	10
169252CG	1978DP	\$17.99	\$17.19

GC® Heatsink Compounds

Silicone (Z9)

Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113



615312CG

Part No.	Prod No.	Description	1	10	100
615304CG	10-8106	1 lb. can	\$29.05	\$27.03	\$23.71
615312CG	10-8108	6.5 gram tube ..	2.29	2.13	1.87
615321CG	10-8109	1 fl. oz. tube	6.35	5.89	5.17

Type 44 Non-Silicone

Compounded with 100% synthetic base stocks. Features excellent heat transfer, efficiency, thermal stability, high flow rate, no separation, bleed or migration typical of silicone-based greases. MIL-C-47113 type 2



615339CG

Part No.	Prod No.	Description	1	10	100
615339CG	10-8118	1 fl. oz. jar	\$7.85	\$7.27	\$6.37
615347CG	10-8120	1 fl. oz. tube	8.49	7.95	7.42
615355CG	10-8126	1 lb. jar	40.29	37.51	32.89

HTC (High Thermal Conductivity)

High conductivity formula has all the same benefits of conventional heatsink greases, plus it is exceptionally stable in high humidity applications.



Part No.	Prod No.	Description	1	10	100
615363CG	10-8135	1 oz. syringe	\$11.49	\$10.68	\$9.37

Modern Solder Technology For Competitive Electronics Manufacturing Book

McGraw-Hill

This book covers all relevant technologies for the application of solder in electronic and microelectronic packaging and assembly. Includes a proper level of underlying fundamentals that are important to practical applications. (622 pages, 1996)

• Size: 9.2" x 6.2"



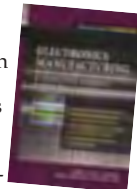
Part No.	Description	Price
677951CG	Modern Solder Technology Book	\$85.45

Electronics Manufacturing Book

McGraw-Hill



This comprehensive guide provides cutting-edge information on lead-free, halogen-free and conductive-adhesive technologies and their application to low-cost, high-density, reliable, and green products. Essential for professionals who wish to master lead-free, halogen-free, and conductive-adhesive problem solving methods. (592 pages, 2003)

• Size: 9.2" x 6.3"



Part No.	Description	Price
677994CG	Electronics Manufacturing Book	\$91.95

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Weller® Pro Cordless Coldheat Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. But unlike most other products, the Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG. With an average yield of 700 solder joints per 5 AA alkaline batteries, it has what it takes to be an invaluable tool anywhere field soldering is required.

- Polycarbonate body
- Bright white LED work light
- Red "in use" indicator light
- Requires 5 AA alkaline batteries
- Includes carrying case and CHT3 61° angle chisel tip
- High/low/off power switch



Part No.	Prod. No.	Description	1	5
684705CG	CHT100	Cordless soldering iron ...	\$40.29	\$37.25
684713CG	CHT1	50° angle bevel tip	11.19	10.65
684756CG	CHT2	61° angle conical tip	11.19	10.65
684764CG	CHT3	61° angle chisel tip	11.19	10.65

Weller® Digital Soldering Stations

684772CG:

- New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)
- 80W of power
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WD10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H
- Includes LTB tip
- Weight: 8.2 lbs.



684772CG

684781CG:

- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in the pencil rather than the tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- 85W of power
- Iron stand has adjustable tilt angle in 4 positions ranging from 30 to 80 degrees
- Includes NT1 tip
- Uses WMP soldering pencil and WD20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H
- Weight: 7.5 lbs.

Part No.	Product No.	Description	1	5
684772CG	WD1002	80W	\$279.95	\$269.95
684781CG	WD1001	85W	279.95	269.95

Soldering Kit

A perfect soldering tool kit for technicians and maintenance professionals doing solder work in the field. This kit includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board / component holder, lead solder, and soldering aid tool.

• Size: 13.8"L x 11"W x 3"H • Weight: 4.0 lbs.



Part No.	Description	Price
684596CG	GSR-600A	\$32.55

PANAVISE Multi-Purpose Work Center

- One of the most versatile combinations, perfect for home or hobby needs
- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows the jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Patented single load control knob and split-ball feature firmly lock the head into place
- Base has three 1/4" countersunk mounting holes
- Part tray base contains six integral parts wells with rounded and sloped walls for easy parts removal
- Overall base diameter is 8.5"



Part No.	Product No.	1	5
684852CG	350	\$79.95	\$74.95

PANAVISE Rapid Assembly Circuit Board Holder

- Features 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds and component insertion
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently and may be positioned adjacent to each other
- 10" high (from base to top of vertical shaft)
- Stable weighted base
- Weight: 6.4 lbs.



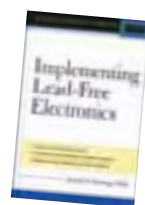
Part No.	Product No.	1	5
684844CG	333	\$69.95	\$63.95

Implementing Lead-Free Electronics Book

McGraw-Hill

This book provides timely information on the choices and trade-offs facing manufacturers converting to lead-free manufacturing. This book is laid out as a quick guide, providing successful examples in conjunction with the basic principles of the implementation and production of lead-free electronics on a global basis. (473 pages, 2005)

• Size: 9.3" x 6.2"



Part No.	Description	Price
677986CG	Implementing Lead-Free Electronics	\$89.45

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Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.

Focus Hood Tips

Dimensions: mm (in.)



Hot Air SMD Rework Station with Digital Display

The Hot-Air SMD 850D is engineered to meet the demanding needs of today's electronic industry; technicians, service/repair and assembly rework. The system not only increases productivity for SMD assembly and repair but also achieves a new standard of quality.



- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Adjustable air-flow
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Hot air temperature range: 100° - 385°C (212° - 725°F)
- Size: 7.4"W x 9.6"D x 5.0"H

- 25W diaphragm pump
- Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895CG and 262908CG)

Part No.	Product No.	Description	1	5
262705CG	850D	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262983CG	HG850D	Heat gun replacement	78.95	74.95
262924CG	A1141B	Focus hood tip, PLCC 11.5 x 14	34.95	33.25
262810CG	A1135B	Focus hood tip, PLCC 17.5 x 17.5	34.95	33.25
262959CG	A1136B	Focus hood tip, PLCC 20 x 20	49.95	48.29
262836CG	A1137B	Focus hood tip, PLCC 30 x 30	49.95	48.29
262967CG	A1138B	Focus hood tip, PLCC 30 x 30	49.95	48.29
262895CG	A1125B	Focus hood tip, QFP 10 x 10	34.95	33.25
262908CG	A1126B	Focus hood tip, QFP 14 x 14	34.95	33.25
262772CG	A1128B	Focus hood tip, QFP 14 x 20	34.95	33.25
262916CG	A1127B	Focus hood tip, QFP 17.5 x 17.5	34.95	33.25
262852CG	A1261B	Focus hood tip, QFP 20 x 20	49.95	48.29
262844CG	A1182B	Focus hood tip, BQFP 24 x 24	49.95	48.29
262801CG	A1129B	Focus hood tip, QFP 28 x 28	49.95	48.29
262887CG	A1265B	Focus hood tip, QFP 32 x 32	79.95	75.95
262879CG	A1264B	Focus hood tip, QFP 40 x 40	79.95	75.95
262932CG	A1258B	Focus hood tip, SOP 7.6 x 12.7	34.95	33.25
262941CG	A1260B	Focus hood tip, SOP 8.6 x 18	34.95	33.25
262975CG	A1259B	Focus hood tip, SOP 13 x 28	49.95	48.29

CHIPQUIK SMD 2000 Removal System

Complete Solder/Desolder Rework Kit

- Removal alloy, solder paste, 3' solder, paste flux, liquid flux remover/cleaner, handi vac, 2 acid brushes, precision tweezers, six 4" x 4" cleaning wipes, 10 swabs, 6 alcohol pads, SMD removal/clean up instructions, stainless steel probe kit & 5' solder wick



Part No.	Description	1	10
208055CG	SMD 2000 removal system	\$99.95	\$94.99

CHIPQUIK

SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5" of CHIPQUIK® material removes 1250-1500 SMD pins
- Uses simple equipment and materials for application & clean-up



Part No.	Description	1	10
141305CG	SMD removal kit	\$24.95	\$22.45

Vises

PANA VISE Electronic Work Center

PANA VISE

PV Jr. Vise

Third Hand

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs.
- One-year warranty



- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: 0.7 lbs.



Part No.	Description	1	5	10
27060CG	Electronic center	\$74.95	\$71.25	\$67.95

Part No.	Description	1	10
134439CG	Jr. vise w/ mountable base	\$21.95	\$19.95

Part No.	Description	1	10	50
26690CG	Third hand	\$5.95	\$5.35	\$4.79
681002CG	Third hand	8.75	7.89	7.15

Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)





- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs




Enviro-Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900CG	10 oz. aerosol w/ trigger  *	0.8 ...	\$8.99	\$8.19
263530CG	15 oz. aerosol w/ trigger  *	0.8 ...	11.85	11.35


Enviro-Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934CG	10 oz. aerosol can  *	0.8 .	\$10.79	\$9.65


ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041CG	10 oz. flux remover  *	0.8 ...	\$9.99	\$9.05

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033CG	10 oz. contact cleaner  *	0.9 ..	\$9.19	\$8.35

TechClean® Wiper

This hydro-entangled cellulose/polyester wipe has high absorbency with extra-low particulate and chemical extractables.

Part No.	Description	Wt. (lbs.)	1	12
263564CG	100 sheet/pk	1.1	\$18.19	\$13.64


Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572CG	1 pint bottle  *	1.1	\$8.75	\$7.89

Static Sensitive Brush

- Bristle: 1/8"L x 1/16"W
- Handle: 3.5"

Part No.	Description	Wt. (lbs.)	1	5
481748CG	Brush  *	0.1	\$7.79	\$7.40


Fine-L-Kote™ Silicone Conformal Coating

A type SR silicone resin conformal coating that has excellent moisture and fungus resistance properties, offers chemical resistance and is recommended for harsh environments. Contains Opti/Scan™ to allow for black light inspection.


Part No.	Description	Wt. (lbs.)	1	12
481756CG	1 pint  *	1.1	\$30.85	\$29.41


Fine-L-Kote™ Urethane Conformal Coating

As a urethane coating, this is highly resistant to most solvents, moisture, fungus, and molds. A clear, repairable coating, it is formulated with a black light indicator Opti/Scan, to provide checks for conformity in quality control.

Part No.	Description	Wt. (lbs.)	1	12
263556CG	12 oz. aerosol can  *	1.0	\$16.89	\$16.19

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. * Shipped via UPS ground to continental U.S. only

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Workshop Chemicals



No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics. **NEW**

Part No.	Description	Wt. (lbs.)	1	5
481764CG	11.5 ml pen *	0.1	\$5.09	\$5.01

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.


- Repairs traces
- Makes smooth jumpers
- Links components
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716CG	4.89 ml pen  *	0.1	\$15.99	\$15.28

Overcoat Green Pen

Designed to insulate printed circuit board traces and components against high voltage arcing, and provides protection from moisture.

- Protects conductive pen traces
- Repairs permanent solder mask

Part No.	Description	Wt. (lbs.)	1	12
263732CG	5 ml pen  *	0.1	\$11.49	\$10.54

SMT Stencil Cleaner

Hydrocarbon-based, non-ozone depleting stencil cleaner effectively removes solder paste from screens, misprinted boards, and equipment.

Part No.	Description	Wt. (lbs.)	1	12
481668CG	48 wipes ♣	0.4	\$14.75	\$14.03
481676CG	1 pint trigger bottle  *	1.1	15.25	14.49

Zero Charge™ Hand Lotion

Contains natural products including aloe vera and vitamins A and E. Moisturizers penetrate rapidly leaving skin soft and non-greasy. Improves the contact between personnel and grounding devices such as wrist and heel straps.

Part No.	Description	Wt. (lbs.)	1	24
481684CG	8 oz. bottle	1.2	\$5.09	\$4.96

Zero Charge™ Anti-Static Coating

Fast drying, anti-static coating, eliminates static charge and reduces triboelectric generation from most surfaces. Recommended for applications that experience flexing and movement.

Part No.	Description	Wt. (lbs.)	1	12
481692CG	1 pint bottle  *	1.1	\$10.29	\$7.79

Zero Charge™ Mat and Table-Top Cleaner

A neutral pH cleaner for general use in production areas that removes insulating contaminants such as flux residues, oils, greases, nicotine, dirt and grime.

Part No.	Description	Wt. (lbs.)	1	12
481705CG	2 oz. bottle  *	0.4	\$6.05	\$5.72
481713CG	1 quart bottle  *	2.2	11.59	10.37




Zero Charge™ Screen & Keyboard Cleaner

With regular use, this cleaner will eliminate static charge from sensitive surfaces and provide a long term protection. Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas.

Part No.	Description	Wt. (lbs.)	1	12
481721CG	1 pint bottle  *	1.1	\$10.59	\$10.21

Quick Test® Detector Activation Spray

This non-flammable aerosol is safe on the ozone layer while eliminating the risk of fire. A unique vertical actuator that when depressed, sprays a cloud of simulated smoke toward the detector setting off the alarm.

Part No.	Description	Wt. (lbs.)	1	12
481730CG	2.5 oz. aerosol  *	0.3	\$5.59	\$5.37



Freeze Spray

- Safe on plastics
- Nonflammable
- Wide spray for cooling entire boards
- Ozone safe

Part No.	Description	Wt. (lbs.)	1	5
525915CG	10 oz. aerosol can  *	0.8	\$11.39	\$10.29

Glass & Plastic Cleaner

- Controls static, cleans and polishes in one application
- Compatible with plastics, glass and stainless steel
- Foaming spray won't run or drip; ideal for optical surfaces

Part No.	Description	Wt. (lbs.)	1	5
525974CG	14 oz. aerosol can  *	1.1	\$11.09	\$10.03

* Shipped via UPS ground to continental U.S. only

Chemask

- Easy to use – peel off dried Chemask® masking agent
- Latex material is compatible with flux systems and stable with cleaning solvents

Part No.	Description	Wt. (lbs.)	1	5
525835CG	8 oz. squeeze bottle  *	0.7	\$13.25	\$12.71


Chem Pads

- Ultra pure blend of 91% IPA/9% deionized water
- Mild cleaning solution, nonabrasive wipe
- Pack of 50 3" x 4" presaturated pads

Part No.	Description	Wt. (lbs.)	1	5
525843CG	3"x4" presaturated pads  *	0.7	\$21.39	\$20.32

Double Head Cottontip Swabs

- Soft & highly absorbent compatible w/ most solvents



Part No.	Description	Wt. (lbs.)	1	5
525851CG	6" cotton swab  *	0.1	\$3.45	\$3.26

See Complete Chemtronics Chemicals Offering at www.Jameco.com/Prod/Chemtronics

3M Scotch-Weld™ Adhesive

A higher viscosity, one-part, high strength, fast-setting adhesive that cures at room temperature. Adheres to difficult-to-bond substrates such as EPDM rubber, aluminum, and flexible vinyl. ScotchWeld adhesive exhibits good resistance to soap solutions and isopropyl alcohol.



Part No.	Description	1	5	10
646477CG	ScotchWeld C-40  * \$19.95	\$19.25	\$18.49	
646717CG	ScotchWeld C-40H  * 18.95	17.75	16.75	

3M Scotch-Weld™ Epoxy Adhesive DP-100

A flame-retardant (self-extinguishing) off-white version of 3M™ Scotch-Weld™ DP-100 Adhesive. It meets UL94VO burn test requirements, has a 1:1 mix ratio, and has a work life of 5 - 8 minutes. It is ideal for many applications requiring a flame retardant adhesive.



Part No.	Description	1	10	25
652228CG	1.7 fl. oz.  * \$18.75	\$16.63	\$14.94	

3M Scotch-Weld™ Epoxy Adhesive DP-190

A gray, flexible, two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics and masonry products. This adhesive has a 90 minute work life, with improved impact and shock resistance over many traditional epoxy adhesives. It is a 1:1 mix ratio of 2216 B/A gray adhesive.



Part No.	Description	1	5	10
652236CG	1.7 fl. oz.  * \$17.49	\$16.25	\$15.25	

3M Scotch-Weld™ EPX™ Plus II Applicator

The applicator is a low-cost portable, self-contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied. The plunger is for the 3M™ Scotch-Weld™ EPX™ Plus II Applicator. The EPX Plus II Applicator is used to dispense 3M™ Scotch-Weld™ adhesives in duo-pak cartridges.



Part No.	Description	1	5	10
652201CG	Applicator  * \$64.95	\$59.95	\$54.95	

3M Tapered Mixer Tip

Enables technicians to apply a fine bead for use in bonding impact strips and sealing small seams as well as other applications where a fine bead is required. Tip can be cut for desired bead thickness. For use with P/N 652201CG (above).



Part No.	Description	1	10	25
652210CG	Mixer tip  * \$1.55	\$1.37	\$1.23	

3M Scotch-Grip™ Rubber and Gasket Adhesive

A yellow, premium quality, versatile, brushable, heat resistant adhesive that develops strength rapidly. Has excellent adhesion to metal, baked enamel, wood, most plastics, neoprene, reclaim, SBR and butyl rubber. NOT for EPDM rubber.



Part No.	Description	1	10	25
647058CG	5 oz. tube  * \$13.65	\$12.09	\$10.86	

3M Scotch-Grip™ Plastic Adhesive

A clear, elastomeric adhesive with exceptional adhesion to metal and plastic. This adhesive is unique in its ability to bond hard-to-hold materials like polypropylene, polyethylene, and high-impact polystyrene. Exhibits high immediate bond strength, long tack range, and contact bond properties. Good resistance to water and aging.




Part No.	Description	1	10	25
647066CG	5 oz. tube  * \$13.25	\$11.75	\$10.56	

3M Super 77 Spray Adhesive

High tack, high coverage and fast drying for permanently attaching foils, carpeting, paper, cardboard, felt and cloth to painted or unpainted metals, wood and hardboard.



Part No.	Description	1	5	10
645870CG	10 oz. aerosol can  * \$8.95	\$8.49	\$8.09	

3M Super Adhesive Glue

Scotch® Super Strength Adhesive is an industrial strength adhesive for most household repairs. Forms a nearly invisible bond that offers versatility and a strong grip. Resists heat, water, oil and grease. Bonds glass, metal, porcelain, plastics and many other types of materials.



Part No.	Description	1	10	25
645845CG	30ml tube  * \$4.99	\$4.59	\$4.19	

3M Super Glue Gel

3M™ Super Glue Gel quickly repairs glass, china, jewelry, balsa wood, rubber and rigid plastic. It forms a strong bond, fills small gaps better than non-gels, and the gel formula lasts longer in the tube.



Part No.	Description	1	10	25
645837CG	2 gram tube  * \$1.99	\$1.89	\$1.79	

3M Scotchkote™ Electrical Coating

Scotchkote™ Electrical Coating provides vinyl tapes with an extra oil, moisture and corrosion-resistant layer of flexible coating for problem areas. A fast drying sealant and bonding compound, in a brush top can for quick & easy application.



Part No.	Description	1	5	10
647074CG	4 fl. oz. can  * \$9.75	\$8.55	\$8.10	

3M Citrus Base Cleaner

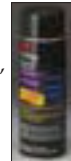
A citrus oil based cleaner which can dissolve and flush away dirt, grease, tar, most non-curing type adhesive films, and similar substances. Emulsifies when flushed with water.




Part No.	Description	1	5	10
647040CG	24 oz. can  * \$19.95	\$18.49	\$17.49	

3M 5-Way Penetrant

Effective as a demineralizer – displaces moisture and “dries out” electrical apparatus. Inhibits rust – spreads a thin, even film that actually penetrates the pores of the surface to inhibit rust and corrosion. Penetrant – frees rusted, frozen bolts, nuts, etc. Lubricant – for delicate machines or precision instruments.



Part No.	Description	1	10	25
645888CG	24 fl. oz. aerosol can  * \$14.49	\$12.87	\$11.56	

3M Respirator Mask

Recommended for sanding and working with fiberglass insulation and drywall sanding. 3M™ Cool Flow™ Exhalation Valve allows easy exhalation and heat reduction, which provides cool, dry comfort. NIOSH approval: N95.



Part No.	Description	1	10	25
645968CG	Respirator mask  * \$7.69	\$6.79	\$6.10	

3M Home Dust Mask

Lightweight, disposable masks offer relief from irritating effects of common household dusts. Patented filter media is greater than 90% efficient for particles of all sizes. Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose.




Part No.	Description	1	10	25
645950CG	5 pack  * \$4.49	\$3.99	\$3.59	

3M Lens Cleaning Cloth

Dirt and particles are trapped within knitted tufts of the fibers. Rows and rows of tufts and valleys trap large and small particles.

- Material: polyester/nylon
- Size: 6"W x 7"L



Part No.	Description	1	10	25
645896CG	Cleaning cloth  * \$2.69	\$2.38	\$2.14	

3M Scotch-Brite™ #74 Medium Duty Scrub Sponge

It's a No. 96 scouring pad on one side and on the other is a cellulose sponge. • Size: 3.6"W x 6.1"L x 0.7"Th




Part No.	Description	1	10	25
652199CG	Scrub sponge  * \$2.69	\$2.41	\$2.16	

#96 General Purpose Scour Pad


Synthetic scouring pad is excellent for common cleaning jobs.

- Color: green
- Size: 6"W x 9"L



Part No.	Description	1	10	25
652181CG	Scour pad  * \$0.85	\$0.73	\$0.66	

* Shipped via UPS ground to continental U.S. only

 RoHS compliant product


 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.

3M Double-Sided Foam Tape

Used in a wide variety of applications, this tape features high-shear acrylic adhesive and high temperature resistance. Adheres securely to any surface with its double-sided adhesive. 1/8" thick open-cell urethane foam carrier. Ideal for many manufacturing applications.

- 1/8" thick • 1"W x 12'L

Part No.	Product No.	1	5	10
285907CG	3M 4008 	\$14.89	\$11.65	\$11.35



3M Double Coated Urethane Foam Tape

1/16" thick neutral, open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with dispenser.

- 1"W x 18'L

Part No.	Product No.	1	5	10
645941CG	3M 06440 	\$16.95	\$15.75	\$14.39




3M Hook and Loop Fastening System

Nylon hooks mesh with pliable loops. 1" wide strip with adhesive backing sticks instantly to many surfaces.

- Hook and loop: 1"W x 15'L

Part No.	Product No.	1	5	10
286897CG	3M 06481 (black) 	\$35.69	\$34.46	\$32.57
286900CG	3M 06488 (white) 	35.69	34.46	32.57

- Hook and loop: 1"W x 3'L • Two pair

Part No.	Product No.	1	10	25
645917CG	3M 64293 (black) 	\$2.79	\$2.46	\$2.21
645909CG	3M 64294 (white) 	2.79	2.46	2.21



3M Dual Lock Fastening System

3M™ Dual Lock™ reclosable fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical, sign and display markets. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant.

- Adhesive backing for strong bonds • 1"W x 15'L
- 5x stronger than conventional hook & loop fasteners
- Audible snap assures secure closure

Part No.	Product No.	1	5	10
288438CG	3M 06463 (clear) 	\$74.95	\$71.19	\$67.65

- Hook and loop: 1"W x 3'L • Two pair


Part No.	Product No.	1	10	25
645925CG	3M 64284 (black) 	\$3.55	\$3.14	\$2.83
645933CG	3M 64254 (clear) 	3.55	3.14	2.83



3M Duct Tape 3900

Polyethylene coated cloth with rubber adhesive. Economy grade duct tape. A good choice for general maintenance, wrapping, sealing and protecting.

- 48mm W x 54.8m L

Part No.	Product No.	1	10	25
652068CG	3M 06976 (silver) 	\$9.15	\$8.09	\$7.27

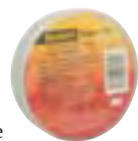


3M Super 33+ Electrical Tape

This tape provides flexibility and easy handling for all around performance. It combines PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids, and is flame-retardant. Excellent all-weather performance in cold to 0°F (-18°C). Designed to perform in a continuous temperature environment up to 220°F (105°C).

- UL listed and CSA certified • 3/4"W x 66'L

Part No.	Product No.	1	10	25
285464CG	3M 06132 (black) 	\$4.59	\$4.24	\$4.21

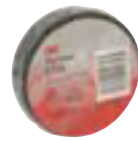


3M Tartan 1710 Electrical Tape

3M™ Tartan™ 1710 vinyl insulating tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet).

- UL listed • 3/4"W x 60'L
- Flame retardant










Part No.	Product No.	1	10	25
285587CG	3M 49656 (black) 	\$.95	\$.89	\$.86



3M Scotch® 35 Vinyl Electrical Tape


Identify leads, splices, and terminations. Abrasion and weather resistant 7 mil tape. Excellent mechanical and electrical insulation properties. Wraps smoothly and holds tightly over a wide range of temperatures.

- 3/4"W x 66'L

Part No.	Product No.	1	10	25
652076CG	3M 10810 (red) 	\$5.89	\$5.24	\$4.71
652084CG	3M 10869 (orange) 	5.89	5.24	4.71
652092CG	3M 11271 (violet) 	5.89	5.24	4.71
652105CG	3M 10828 (white) 	5.89	5.24	4.71
652113CG	3M 10885 (brown) 	5.89	5.24	4.71
652121CG	3M 00072 (gray) 	5.89	5.24	4.71
652130CG	3M 10836 (blue) 	5.89	5.24	4.71
652148CG	3M 10851 (green) 	5.89	5.24	4.71
652156CG	3M 10844 (yellow) 	5.89	5.24	4.71




- 5 rolls: blue, green, red, yellow & white • 1/2"W x 20'L

Part No.	Product No.	1	5	10
287806CG	3M 10457 	\$7.95	\$6.72	\$6.10

3M 130C Linerless Rubber Splicing Tape

This highly conformable, high voltage Ethylene Propylene rubber tape is ideal for a number of applications where its sealing properties are required. These include sealing collars, closure-sealing, drop wire splice insulating, sheath build-up and constructing auxiliary sleeves. Unlike most rubber tapes, Scotch® 130C is linerless which makes it easier and quicker to use. It provides a void-free, permanent seal every time.

- 3/4"W x 30'L

Part No.	Product No.	1	5	10
652050CG	3M 4171 	\$13.95	\$12.75	\$11.69



3M Scotch® General Purpose Masking Tape

A very high temperature resistant tape for use in masking and holding applications where temperatures reach 250°F (121°C) up to 1 hour.

A general purpose paper masking tape designed to be used in medium temperature paint bake operations.

- 24mm W x 55m L


Part No.	Product No.	1	10	25
652172CG	3M 02982 	\$6.99	\$6.16	\$5.53



3M Safety Stripe Tape

3M™ Safety Stripe Tape 5702 Black/Yellow, 5.4 mil (0.14 mm) vinyl backing with rubber adhesive, resists most common solvents.

- Color: black and yellow
- Size: 2" wide x 36 yards long


Part No.	Product No.	1	24
651882CG	5702 	\$39.99	\$37.49

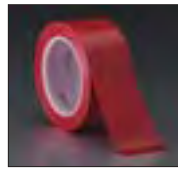


3M Vinyl Tape

The 3M™ Vinyl Tape 471 with rubber adhesive and vinyl backing provides a clean removal in any application. Conformable and dead stretch properties to provide straighter lines. Maintains color throughout even when exposed to heavy abrasion.

- Color: red • 5.2mil (0.13mm) thick
- Size: 2" wide x 36 yards long

Part No.	Product No.	1	24
645159CG	471 	\$34.99	\$31.55



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www.Jameco.com/Prod/GCChemicals



Circuit Boards

Bare Copper Circuit Boards

One ounce copper (0.0014") on base of either fiberglass or reinforced epoxy board. 1/16" thick.



Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616471CG	22-250	3" x 5"	\$2.69	\$2.53	\$2.23
616489CG	22-260	4" x 6"	3.59	3.35	2.95
616497CG	22-261	6" x 6"	4.99	4.66	4.11
616500CG	22-263	6" x 9"	5.69	5.32	4.69
616518CG	22-264	8" x 10"	8.89	8.32	7.34
616534CG	22-268	11" x 14" ..	17.75	16.59	14.64

Double-Sided Board

616526CG	22-267	6" x 9"	\$6.09	\$5.72	\$5.05
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Assortment's Single Sided Boards

- 1 each 2" x 4.5" and 3" x 4.5"
- 2 each 2.25" x 3"



Part No.	Product No.	1	10	50
616551CG	22-272	\$5.49	\$5.13	\$4.51

Positive Pre-Sensitized Circuit Boards

1 oz. copper (0.0014") on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-sensitized board is double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure.



Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616201CG	21-243	3" x 6"	\$4.45	\$4.18	\$3.69
616219CG	21-247	7" x 10" ..	11.75	10.95	9.67
616227CG	21-252	12" x 12" ..	27.15	25.75	24.47
616235CG	21-330	2" x 4"	4.29	4.07	3.87
616243CG	21-332	3" x 4"	5.29	5.00	4.75
616251CG	21-334	4" x 6"	5.35	4.99	4.40
616260CG	21-336	6" x 6"	5.99	5.58	4.92
616278CG	21-338	6" x 9"	8.99	8.39	7.40

Double-Sided Boards

616286CG	21-339	3" x 4"	\$4.25	\$3.99	\$3.52
616294CG	21-350	6" x 6"	8.15	7.59	6.70
616307CG	21-353	6" x 9"	11.55	10.80	9.53
616315CG	21-357	12" x 12" ..	29.35	27.85	26.46

Circuit Board Drafting Patterns

An 8.5" x 11" sheet containing 2 dozen of the most commonly used pre-spaced component configurations. Self-adhesive pads may easily be removed from master sheet with a precision knife (recommend P/N 72768CG, pg 311).



Part No.	Product No.	1	10	50
616323CG	21-377	\$4.69	\$4.35	\$3.84

Copper Circuit Tape

Six foot roll of 1/8" wide self-adhesive copper tape for quick repairs and modifications. Adheres easily to PC boards and similar surfaces, solder-ready. Low resistance, 0.002" thick.



Part No.	Product No.	1	10	50
616657CG	22-509	\$3.79	\$3.55	\$3.14



Prototyping Boards

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated.



- 0.1" centers
- Size: 3 1/8"W x 5 1/16"L x 1/16" thick

Part No.	Product No.	1	10	50
616631CG	22-504	\$4.05	\$3.80	\$3.35

Experimenter's Phenolic Prototype Boards

Save time and money with ready-to-use printed circuit boards. Excellent for use in prototype building, experimenting, hobby or science projects and kit building.



0.03" punched holes on 0.150" centers.

616649CG



616673CG

616649CG:

- Copper plated with 94 five-point terminals and two 40-point bus strips
- Size: 6.0"L x 2.0"W x 1/16" thick

616665CG/616673CG:

- Size: 6 3/4"L x 3 3/8"W x 1/16" thick

Part No.	Product No.	Description	1	10	50
616649CG	22-508	Copper plated	\$9.25	\$8.65	\$7.63
616665CG	22-510	Quad land patt.	5.29	4.96	4.37
616673CG	22-512	Sngl. land patt.	5.29	4.96	4.37

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- Silver-plated land patterns
- Predetermined short tracks for multi-IC work
- 0.035" diameter holes
- Size: 3.5"W x 6"L x 1/16" thick

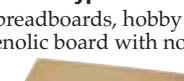


• 0.1" centers

Part No.	Product No.	1	10	50
616622CG	22-502	\$6.19	\$5.77	\$5.09

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.



616681CG:

- 0.042" dia. holes, 0.1" spacing

616690CG:

- Size: 6.0"L x 4.5"W x 1/16" T

616702CG:

- 0.093" dia. holes, 0.265" spacing

Part No.	Product No.	1	10	50
616681CG	22-514	\$4.59	\$4.32	\$3.81
616690CG	22-516	5.29	4.96	4.37
616702CG	22-518	5.85	5.56	5.28

Plug-In IC Phenolic Prototype Board

IC's plug directly into board.

It's 0.1" spacing accepts 14-pin up to 20-pin IC's. Silver plated lands with 24-way card edge connector plug on one end. 0.1" centers x 2 3/8" wide x 4" long x 1/16" thick, 0.035" diameter holes.



NEW

Part No.	Product No.	1	10	50
616614CG	22-500	\$2.05	\$1.94	\$1.90

DATA Direct Etch PCB "Starter" Set

Includes: 4 blank circuit boards, dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIP, patterns, lines and 1/32" & 1/16" etch resist tape.



Part No.	Product No.	Wt. (lbs.)	1	10
70412CG	ER1	0.7	\$11.95	\$10.95

DATA Pre-Sensitized Circuit Boards & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16" T
- Includes: Instructions

156751CG



Part No.	Description	Wt. (lbs.)	1	10	25
156751CG	Single sided	—	\$4.95	\$4.49	\$3.95
156742CG	Double sided	—	6.49	5.85	5.25
156734CG	4 oz. Pos. developer	0.6	6.95	5.95	4.95

DATA Dry Concentrated Etchant

- Makes one pint of etch solution



Part No.	Product No.	1	10	25
70201CG	ER3	\$3.95	\$3.49	\$3.15

DATA Photo Etch™ Printed Circuit Kit

Generate your own 1:1 artwork. Then use the patented Fast Neg film process to make a photo negative and sensitize and expose a blank copper board. Finish by developing & etching. No camera or darkroom is required.



Part No.	Product No.	Wt. (lbs.)	1	10
16731CG	12-750	4.6	\$39.95	\$36.95

Acid Brush

- Used for application of reactive solvents



Part No.	Description	1	10	100	1000
153322CG	Metal handle, 6" R	\$65	\$59	\$47	\$35

* Shipped via UPS ground to continental U.S. only

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♣ RoHS compliant product

♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

Blue Part No. = Limited Quantity Available

See PCB enclosures on pg 326, mounting hardware (recommend P/N 106551CG) below

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 325)	Circuit Pattern	Hole Pads	# Holes x Dia. ↑	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105099CG	2855PCB	1.60 x 2.70	18921CG	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.25	\$4.73	\$4.25	\$3.83
105101CG	5002PCB	1.50 x 3.50	11957CG	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.00	3.75
263186CG	PCB-403	1.80 x 3.10	18921CG	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105128CG	2853PCB	2.00 x 4.40	18913CG, 11965CG	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105110CG	2300PCB	2.40 x 3.40	11869CG	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263207CG	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
263215CG	PCB-858	2.50 x 4.50	18913CG	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105152CG	2851PCB	3.10 x 5.50	18892CG	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	5.96
263222CG	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105136CG	2320PCB	3.30 x 4.50	11885CG	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105161CG	2852PCB	3.60 x 7.00	18906CG, 11973CG	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206586CG	2746APCB	4.30 x 6.80	209350CG	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21434CG	JE401(8001)	4.50 x 6.50	18868CG	B/D	Single-sided	2360 x .042"	2	None	None	.12	18.65	16.70	15.05	13.55
21451CG	JE405(8003)	4.50 x 6.50	18868CG	C	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	16.15	13.45
206578CG	2743APCB	4.60 x 4.30	208910CG	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105179CG	2505PCB	5.00 x 6.50	11893CG, 18868CG	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	8.96
21477CG	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594CG	2747APCB	5.50 x 8.00	209358CG	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187CG	2507PCB	6.10 x 8.80	18876CG	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263231CG	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09
263249CG	PCB-6088	9.20 x 13.0	N/A	B	Plated through	11,000 x .042"	10	None	13 x .115"	.50	55.95	52.19	49.59	47.09

Other Manufacturers — Great Deals

28177CG	PCB1	2.42 x 4.10	18913CG	C	Plated through	674 x .040"	None	None	4 x .120"	.04	\$5.95	\$5.35	\$4.79	\$4.29
28193CG	PCB3	5.00 x 8.00	18876CG	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	19.76	17.78	16.22

Vector Products

43140CG	64P4400XP	4.50 x 6.50*	18868CG	A	Drilled only	2860 x .042"	None	None	None	.09	\$6.09	\$6.06	\$6.03	\$6.01
52943CG	84P44WE	4.50 x 5.00	18876CG	A	Drilled only	3740 x .042"	None	None	None	.15	9.55	9.49	9.45	9.42
37604CG	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	18.45	17.55	16.75	15.95
37612CG	169P4400P	4.50 x 17.0*	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	11.25	11.19	11.14	11.08
37621CG	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	22.89	22.79	22.69	22.54
106551CG	20 pieces PCB board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										1.79	1.65	1.45	1.35

* PCB material: phenolic

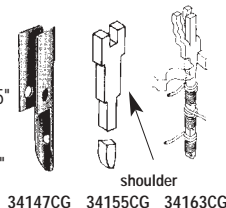
↑ All 0.042" diameter hole boards use terminals T44, T49, and T421 (see below)



Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.
- 34147CG: Push-In Micro-Klip Terminals**
- Overall length: .36" • Post size: .032" x .045"
- 34155CG: Miniwrap Wiring Terminals** • Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69" • Post size: .025" Sq.
- 34163CG: Klipwrap Wiring Terminals** • Shoulder: .045"
- Three-prong with square tail for wire wrapping
- Overall length: .83" • Post size: .025" Sq.



Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units	
				1	10
34147CG	T421	.200	.097	\$7.29	\$6.95
34155CG	T44	.065	.530	8.45	6.97
34163CG	T49	.200	.530	11.89	11.19



Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.

- 1.6mm thick
- Blue Part No. = Limited Quantity Available



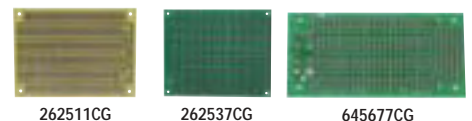
Single-Sided							
Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
169279CG	PCBS3X6	3.0 x 6.0	3	0.1	\$3.49	\$3.15	\$2.85
169287CG	PCBS6X6	6.0 x 6.0	2	0.2	4.95	4.49	3.95
169295CG	PCBS12X12	12.0 x 12.0	1	0.5	13.49	12.14	10.93
Double-Sided							
Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
169308CG	PCBD3X6	3.0 x 6.0	3	0.1	\$5.25	\$4.73	\$4.25
169316CG	PCBD6X6	6.0 x 6.0	2	0.2	7.95	7.15	6.45
169324CG	PCBD12X12	12.0 x 12.0	1	0.7	17.95	15.95	14.49

PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101178CG, 101186CG & 265421CG, pg 171)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677CG	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	\$17.75	\$16.85	\$16.45
262511CG	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537CG	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	32.49	30.89	29.35



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

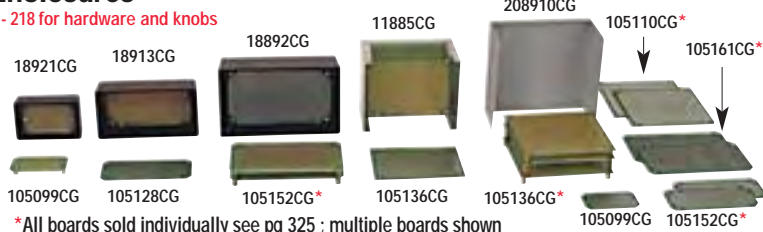
JAMECO ValuePro

The prototype builder boards on pg 325 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 325 (P/N 106551CG).

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid. Blue Part No. = Limited Quantity Available

Enclosures

See pages 214 - 218 for hardware and knobs



*All boards sold individually see pg 325 ; multiple boards shown

ABS Plastic Enclosures

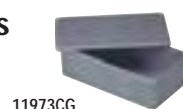
Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18921CG	H2855	3.1" x 2.0" x 0.9"	0.1	\$3.15	\$2.84	\$2.55	\$2.30
18913CG	H2853	4.9" x 2.5" x 1.5"	0.2	3.69	3.32	2.99	2.69
18892CG	H2851	6.0" x 3.5" x 1.9"	0.4	4.79	4.31	3.88	3.49
18906CG	H2852	7.5" x 4.3" x 2.3"	0.5	6.89	6.20	5.58	5.02

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11957CG	B5002	3.9" x 2.0" x 1.0"	0.2	\$5.95	\$5.39	\$4.85	\$4.35
11965CG	B5004	4.7" x 2.4" x 1.6"	0.4	8.49	7.64	6.88	6.19
11973CG	B5006	7.5" x 4.3" x 2.4"	1.2	13.95	12.56	11.30	10.17

Aluminum Enclosures

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11869CG	B2300	4.0" x 2.0" x 2.8"	0.2	\$5.45	\$4.90	\$3.92	\$2.94
11885CG	B2320	5.0" x 4.0" x 3.0"	0.4	7.89	7.10	5.68	4.26
11893CG	B2335	7.0" x 6.2" x 4.6"	0.8	10.95	9.86	7.88	5.91

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

NEW

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
208901CG	B2741A	4.0" x 3.3" x 2.2"	0.4	\$6.49	\$5.89	\$5.29	\$3.96
208910CG	B2743A	5.9" x 5.3" x 3.0"	0.8	7.99	7.19	6.49	4.86
208929CG	B2744A	7.3" x 6.3" x 2.8"	1.1	8.99	8.09	6.47	4.85
209350CG	B2746A	6.3" x 7.8" x 2.5"	0.9	12.35	11.12	8.89	6.67
209358CG	B2747A	7.5" x 9.8" x 3.2"	1.4	14.99	13.49	10.79	8.09

ABS Heavy-Duty Instrument Cases

P/N 18876CG includes ventilation and speaker sound slots.

- Color: gray

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18868CG	H2505	7.9" x 6.3" x 2.5"	0.8	\$7.89	\$7.10	\$6.39	\$5.75
18876CG	H2507	10.0" x 7.5" x 3.1"	1.4	8.99	7.99	7.28	6.55

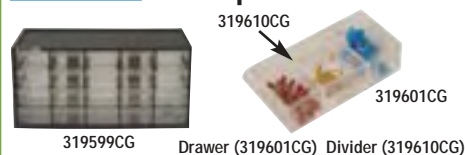
ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
141832CG	203C1	4.6" x 3.2" x 1.8"	0.3	\$8.95	\$8.09	\$7.25	\$6.55
141840CG	203D1	6.5" x 3.4" x 2.2"	0.4	9.95	8.99	8.09	7.25
141859CG	203F1	7.3" x 5.7" x 3.0"	0.8	11.95	10.79	9.69	8.69

JAMECO ValuePro

Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- Weight: 2.8 lbs.

319601CG: 5.5"L x 2.7"W x 1.5"H

319610CG: 2.5"W x 1.2"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

Blue Part No. = Limited Quantity Available

* Prepackaged: order in increments of 10 or 50

Part No.	Description	1	10	50
319599CG	Component cabinet	\$15.95	\$13.95	\$12.49
319601CG	Drawer for cabinet	.39	.35	.294
319610CG	Divider for cabinet	.23	.19	.17

JAMECO ValuePro

Plastic Flip Top Boxes

- Clear plastic box with a clear plastic lid and removable dividers
- 100255CG: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)
- 148902CG: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)

Part No.	Description	1	10	100
100255CG	18 compartments	\$2.25	\$1.91	\$1.43
148902CG	12 compartments	3.95	3.49	2.95

JAMECO ValuePro

Plastic Flip Top Case for SMDs

- 128 compartments • Color: gray
- 8 rows x 16 columns grid
- Flip top openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882CG SMD resistor assortment, pg 84
- Weight: 1.4 lbs. • Size: 11.0"L x 8.3"W x 1.7" Thick

Includes: Labels for each bin

Part No.	Description	1	10
164267CG	SMD flip top case	\$49.95	\$44.99

JAMECO ValuePro

Stackable Drawers

- Case size: 4.5"L x 4.4"W x 2.3"H
- Drawer size: 4.4"L x 4.0"W x 0.9"H
- Color: blue/white

Part No.	Description	1	10	100
11906CG	Case/drawers	\$1.85	\$1.68	\$1.53

Bug Boxes

- Anti-static plastic
- Fits in bug cage (P/N 11332CG, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- 11341CG: stores sixty 8-pin or thirty 16-pin DIPs
- 11375CG: Designed to store all types of components

Part No.	Description	1	10	100
11341CG	30 compartments	\$3.95	\$3.49	\$3.15
11375CG	3 compartment/6 vertical & 6 horizontal dividers	3.95	3.56	3.20

Bug Tray

- Fits in bug cage (P/N 11332CG, below)
- 10 compartments
- 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	1	10	100
11800CG	Divided bug tray	\$3.19	\$2.87	\$2.58

Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Color: blue • Wt.: 0.7 lbs.
- Case size: 5.0"L x 3.9"W x 5.1"H

Part No.	Description	1	10	100
11332CG	Bug cage	\$7.49	\$6.74	\$6.07

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

SERPAC

Enclosures

A Series — with PCB Boss Mounts

- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates

NEW



Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
373309CG	A-20-BK	Black	None	4.25 x 2.60 x 0.88	\$4.85	\$3.84	\$3.39
373333CG	A-21-BK	Black	None	4.25 x 2.60 x 1.12	4.99	3.95	3.49
373368CG	A-27-BK	Black	None	5.31 x 3.35 x 1.50	7.35	5.80	5.11
373456CG	A-42-BK	Black	None	7.12 x 5.00 x 1.62	11.49	9.11	8.03
373608CG	A-42-9V-BK	Black	1-9V	7.12 x 5.00 x 1.62	12.85	10.19	9.26

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design
- 2-insert areas for customized I-plates

NEW



Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
675331CG	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.29	\$1.81	\$1.61	\$1.60
694541CG	C-4-TR-GY	Gray*	2.13 x 1.38 x 0.58	3.85	3.06	2.78	2.69
675358CG	C-6-BK	Black	2.26 x 1.61 x 0.75	2.29	1.81	1.61	1.60
694559CG	C-6-TR-GR	Green*	2.26 x 1.61 x 0.75	3.85	3.06	2.78	2.69
675366CG	C-8-BK	Black	2.40 x 1.85 x 0.93	2.29	1.81	1.61	1.60
694567CG	C-8-TR-RD	Red*	2.40 x 1.85 x 0.93	3.85	3.06	2.78	2.69
675374CG	C-10-BK	Black	3.25 x 2.30 x 0.80	2.59	2.05	1.87	1.81
694575CG	C-10-TR-BL	Blue*	3.25 x 2.30 x 0.80	4.39	3.48	3.16	3.07
675382CG	C-12-BK	Black	3.75 x 2.40 x 1.00	3.55	2.77	2.15	1.97
694612CG	C-28-BK	Black	5.00 x 1.85 x 1.00	3.65	2.85	2.48	2.01

* Translucent

CH Series — Single Screw Assembled

- Simple 2-piece design
- Insert area for customized I-plate

NEW



Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
675391CG	CH-4-BK	Black	2.27 x 1.52 x 0.59	\$2.85	\$2.21	\$1.93	\$1.60
675403CG	CH-6-BK	Black	2.39 x 1.74 x 0.76	2.85	2.21	1.93	1.60
675411CG	CH-8-BK	Black	2.58 x 2.02 x 0.93	2.85	2.21	1.93	1.60

H Series — Handheld with Built-in Battery Holder

- Ergonomic handheld design
- 5-insert areas for customized I-plates

NEW



Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
374395CG	H-45-BK	Black	None	3.90 x 2.20 x 0.94	\$5.95	\$4.65	\$4.51
374483CG	H-45-AAA-BK	Black	2-AAA	3.90 x 2.20 x 0.94	6.69	5.26	4.95
374424CG	H-65-BK	Black	None	4.94 x 2.75 x 0.94	6.19	5.03	4.55
694621CG	H-65-TR-GY	Gray*	None	4.94 x 2.75 x 0.94	11.05	8.84	7.92
694639CG	H-65-TR-RD	Red*	None	4.94 x 2.75 x 0.94	11.05	8.84	7.92
374512CG	H-65-AA-BK	Black	2-AA	4.94 x 2.75 x 0.94	6.69	5.26	4.93
374715CG	H-65-AA-TR-BL	Blue*	2-AA	4.94 x 2.75 x 0.94	12.35	9.86	8.69
374723CG	H-65-AA-TR-GR	Green*	2-AA	4.94 x 2.75 x 0.94	11.59	9.62	8.69
374635CG	H-65-9V-BK	Black	1-9V	4.94 x 2.75 x 0.94	6.55	5.27	4.89
374758CG	H-65-9V-TR-BL	Blue*	1-9V	4.94 x 2.75 x 0.94	11.15	8.99	8.55
374774CG	H-65-9V-TR-RD	Red*	1-9V	4.94 x 2.75 x 0.94	12.05	9.70	8.55
675323CG	H-67-BK	Black	None	4.94 x 2.75 x 1.28	6.35	5.11	4.62
374547CG	H-67-AA-BK	Black	2-AA	4.94 x 2.75 x 1.28	6.99	5.64	5.05
374942CG	H-67-9V-BK	Black	1-9V	4.94 x 2.75 x 1.28	6.69	5.46	4.99
374459CG	H-75-AA-BK	Black	4-AA	7.19 x 3.65 x 1.26	7.55	5.93	5.59

* Translucent



Our enhanced website offers over 65,000 new products! Find products quickly and order them easily.

M Series — Handheld with Built-in Battery Holder

- Streamlined handheld design
- 5-insert areas for customized I-plates

NEW



Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
675420CG	M-4-BK	Black	2.80 x 2.20 x 0.70	\$5.45	\$4.29	\$3.79	\$3.78
694663CG	M-4-TR-RD	Red*	2.80 x 2.20 x 0.70	9.35	7.50	6.62	6.59
694671CG	M-4-TR-BL	Blue*	2.80 x 2.20 x 0.70	9.35	7.50	6.62	6.59
675438CG	M-6-BK	Black	4.15 x 2.40 x 0.85	6.55	5.30	4.71	4.70
694815CG	M-6-TR-GY	Gray*	4.15 x 2.40 x 0.85	11.79	9.41	8.29	8.28
694807CG	M-6-TR-GR	Green*	4.15 x 2.40 x 0.85	11.79	9.41	8.29	8.28
675446CG	M-8-BK	Black	6.97 x 2.40 x 0.85	7.89	6.35	5.59	5.60

* Translucent

S Series — Two-piece Standard Enclosures

- 2-piece design
- 2-insert areas for customized I-plates

NEW



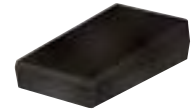
Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
675454CG	110-I-BK	Black	None	3.61 x 2.27 x 1.01	\$3.05	\$2.39	\$2.13
675462CG	111-BK	Black	None	3.61 x 2.27 x 1.51	3.55	2.77	2.46
675471CG	031-BK	Black	None	4.38 x 3.25 x 0.91	4.15	3.26	2.96
675489CG	131-BK	Black	None	4.38 x 3.25 x 1.51	4.35	3.42	3.15
675569CG	211-BK	Black	1-9V	4.10 x 2.60 x 1.51	3.55	3.36	3.02
675577CG	231-BK	Black	1-9V	4.38 x 3.25 x 1.51	5.25	4.17	3.69
675585CG	231-I-BK	Black	1-9V	4.38 x 3.25 x 1.51	5.25	4.17	3.69
675497CG	133-BK	Black	None	4.38 x 3.25 x 2.51	5.09	4.01	3.65
675500CG	151-BK	Black	None	5.63 x 3.25 x 1.51	5.19	4.12	3.75
675593CG	251-BK	Black	1-9V	5.63 x 3.25 x 1.51	7.19	5.63	4.55
675518CG	153-BK	Black	None	5.63 x 3.25 x 2.51	6.65	5.22	4.18
675526CG	171-BK	Black	None	6.88 x 4.88 x 1.51	7.55	5.98	5.43
675534CG	172-BK	Black	None	6.88 x 4.88 x 2.01	7.19	5.71	5.19
675542CG	173-BK	Black	None	6.88 x 4.88 x 2.51	8.49	6.73	6.12
675551CG	193-BK	Black	None	9.50 x 6.34 x 2.51	11.95	9.48	8.36

† Insert on top is recessed 0.015" on all models designated with an "I"

SL Series — Sloped Top Enclosures

- Slanted top
- 2-insert areas for customized I-plates

NEW



Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
694698CG	05-SW-BK	Black	5.63 x 3.25 x 0.91	\$5.65	\$4.70	\$4.21	\$3.59
675606CG	15-S-BK	Black	5.63 x 3.25 x 1.51	5.19	4.12	3.75	3.64
694680CG	27-S-BK	Black	6.88 x 4.88 x 2.49	8.65	6.85	6.23	6.03

R Series — Waterproof Cases

- Lifetime guarantee
- Airtight and UV protected
- Waterproof to 30ft, dustproof, corrosion proof
- Features auto pressure purge valve, secure lock holes, nut & bolt security, and foam-filled

NEW



Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675614CG	R-120F	Black	7.6 x 5.0 x 2.2	\$16.25	\$14.08	\$12.76
675622CG	R-300F	Black	9.59 x 7.42 x 3.98	26.39	22.73	22.23
675631CG	R-520F	Black	12.8 x 9.0 x 6.0	49.75	44.54	42.31
675649CG	R-720F	Black	18.3 x 13.2 x 6.72	74.09	63.84	63.29

CA Series — Keychain Style w/Battery Compartment

- Ergonomic design
- 0-4 button configuration
- Designed to hold a 20mm coin cell battery
- Assembles with two or three screws

NEW



Part No.	Product No.	Buttons	Color	Size (L"xW"xH")	1	10	50
694583CG	CA-4, 2-BK	2	Black	2.48 x 1.73 x 0.60	\$3.55	\$2.83	\$2.43
694591CG	CA-4, 3-BK	3	Black	2.48 x 1.73 x 0.60	3.29	2.57	2.10
694604CG	CA-4, 4-BK	4	Black	2.48 x 1.73 x 0.60	3.29	2.57	2.10

Please Note: Images are used as representatives. Color and shapes vary by model.

BELLIN DYNAMIC SYSTEMS, INC.

Surface Mount Proto Boards

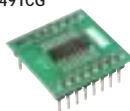
Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 134)
- Size: 7.6"L x 5.0"W
- Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



215491CG

Application example using 215503CG



Portion of 227299CG

Small SMT

Part No.	Prod. No.	Board Description	1	10
215491CG	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	\$45.95	\$41.35
227344CG	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520CG	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	\$45.95	\$41.95
227310CG	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328CG	B511	63 SMT pattern, SOIC n/w/d 8, 14, 16, 18, 20 to DIP .300"	45.95	41.35
227352CG	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18, 20 to DIP .300"	45.95	41.35
227361CG	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.35

Fine Pitch Dual Row

215503CG	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	\$45.95	\$41.35
227281CG	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889CG	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
323900CG	B517	18 SMT pattern, 0.65/0.5/0.4mm TSSOP-48 to DIP 0.600	45.95	43.65
681141CG	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	45.95	41.45

Quad

215511CG	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	\$45.95	\$41.35
323918CG	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
323926CG	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
336479CG	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336487CG	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	32.75
336495CG	B532	8 SMT, 0.40/0.50mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336508CG	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	32.75
681150CG	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TQFP/QFN/MLF/MLP 4/8/12/16/24/28/32 pins	45.95	41.45

PCB Connector (0.062" thick through-hole)

227272CG	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB conn.	\$45.95	\$41.35
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PitchStick™

227299CG	B508	20 SMT pattern, 48 inline pads, metric/rare pitches	\$45.95	\$41.35
227301CG	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	45.95	34.49
681133CG	B534	2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches	45.95	41.45

Kits

Part No.	Prod. No.	Description	Price
681168CG	KIT-100	1 each of B500, B502, B503, B504, B505, B507	\$169.95
681176CG	KIT-101	1 each of B500, B504, B513, B514, B516, B517	169.95
681184CG	KIT-202	1 each of B504, B508, B510, B513, B514, B516, B517, B535, B536, B537 & 2 of B500	349.95
681205CG	KIT-302	1 each of B504, B505, B507, B508, B510, B513, B514, B515, B516, B517, B518, B519, B535, B536, B537 & 3 of B500	529.95



Mini Breadboards for Surface Mount Devices.

Surfboards®



207360CG



207394CG



207589CG

Part No.	Product No.		1	10
207360CG	9081 (For 8-pin SOIC)		\$1.35	\$1.22
207378CG	9082 (For 8-pin SOIC)		3.55	3.10
207386CG	9161 (For 14/16-pin SOIC; 0.1" pin spacing: 0.65"H)		1.75	1.50
207394CG	9163 (For 14/16-pin SOIC; 0.1" pin spacing: 0.65"H)		5.45	4.79

Application Specific Adapters

Part No.	Product No.	Accepted Devices	Pins	1	10
207589CG	33205	SOT-23-5/SC59-5	5	\$1.35	\$1.18
207597CG	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	1.95	1.69

microEngineering Labs

LAB-X1 Experimenter's Module Board

It provides an assembled testbed containing most of the circuitry commonly used with PICmicro microcontrollers (MCUs). Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer, and RC servo controller.



- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P, P/N 176882CG pg 7)
- Reset button
- 16 switch keypad
- 3 potentiometers
- LED bargraph
- 2 lines x 20 characters LCD module
- Speaker
- 2 RC servo connectors
- RS232 interface
- Size: 5.5" x 5.6"
- One-year warranty
- Socket for I2C & SPI serial EEPROM, RS485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector
- Prototyping area for additional circuit

Requires: AC adapter (below) Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
169113CG	LAB-X1 Experimenter Board	\$199.95	\$189.95
176903CG	LAB-X1 Experimenter Board Kit (unassembled)	139.95	132.95
176882CG	PIC16F877-20/P microcontroller (pg 7)	9.29	8.05
127976CG	AC adapter (details on page 252)	5.25	4.59

microEngineering Labs

EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the 12CExx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 7.



- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming
- PICmicro Assembler software included

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679CG	EPIC Plus PICmicro programmer	\$59.95	\$53.95
136397CG	8/18/20-pin ZIF adapter	34.95	31.95
132610CG	40/28-pin ZIF adapter	34.95	31.95
162317CG	AC wall adapter (16VDC/500mA, details on page 253)	8.75	7.65
67256CG	6' DB25 cable (details on page 113)	6.45	5.79

PLCC Prototype Adapters

- PCB construction
- Tin-plated PLCC connector
- Gold-plated round pins
- PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10



73550CG

Part No.	Pins	Size (L x W)	1	10	100
73541CG	44	2.3" x 1.6"	\$11.95	\$10.79	\$9.69
73550CG	68	3.4" x 1.6"	14.35	12.25	10.15
73568CG	84	4.3" x 1.9"	23.95	21.59	19.45

PCI-Bus Extender Card

- PCI bus
- Gold-plated fingers for long life
- Extends life of motherboard connectors
- Size: 5.9"L x 5.4"W



Part No.	Description	1	10
141381CG	PCI-bus extender card	\$74.95	\$67.49



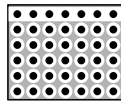
ISA Printed Circuit Prototyping Boards

Printed circuit prototyping boards for virtually any application including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precise standards and specifications. All bus and circuit patterns are solder-coated for user convenience.

- Edge contacts: gold



Circuit Pattern



Power/Ground Perimeter
Bus with Pad Per Hole



21531CG



28206CG

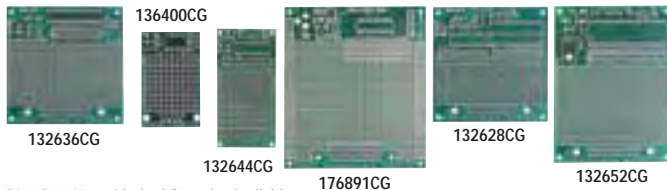
Part No.	Cross Ref. No.	Description	Size (Inches) W x L	Terminals (pg 325)			I/O Connector (not included)	Hole Pads	# Holes x Dia.	Power/ Ground Bus	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing		
				T44	T49	T421							1	10	25
21531CG	JE417	PC/XT 8-bit	4.2 x 6.50	yes	yes	yes	D-sub 9, 15, 25 & 37	Plated through	2126 x .042"	2	8 x .120"	.12	\$19.95	\$16.99	\$14.65
28206CG	PCB4	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	D-sub 9, 15 & 25	Plated through	4890 x .042"	2	4 x .120"	.23	26.95	24.25	21.85

microEngineering Labs

"PICProto" Prototyping Boards

- High quality blank prototyping boards for PICmicro microcontrollers
- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Solder mask on both sides makes soldering easy
- Large prototyping area
- Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement



Blue Part No. = Limited Quantity Available

PICProto 18, 18L: For all 18-pin PICs including PIC16C52, 54, 56, 58, 55A, 55B, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, and 84

Part No.	Description	Size (L" x W")	1	10
132644CG	PICProto 18	3.0 x 1.5	\$9.95	\$8.95
176891CG	PICProto 18L	3.6 x 4.1	19.95	17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242, and 252

132636CG	PICProto 3	3.0 x 3.0	\$14.95	\$13.49
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PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422, and 452

132652CG	PICProto 64	4.0 x 3.0	\$16.95	\$14.95
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PICProto 8: For all 8-pin PIC12Cxxx and 12CExxx

136400CG	PICProto 8	2.0 x 1.2	\$9.95	\$9.45
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PICProto Dual: For 18-pin PIC16C52, 54, 56, 58, 55A, 55B, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, & 84, as well as 28-pin PIC16C55, & 57. Accepts standard 0.6" 28-pin device or 0.3" skinny DIP

132628CG	PICProto Dual 18/28	3.0 x 3.0	\$10.95	\$9.96
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USB Interface Universal Programmer

- 12,000+ device types supported
- Programs EPROM, EEPROM, Serial PROM, Flash, PLD/CPLD/FPGA, and MPU/MCU
- High speed USB port is provided to connect to the majority of notebook or desktop PCs running Windows® 95/98/2000/XP
- On-board 40-pin socket for programming 8-pin to 40-pin IC's
- Utilizes flexible pin drivers to get accurate waveforms
- High programming speed plus over-current protection, reverse insertion detection, self diagnostics, etc.
- Single chip controller, "Yes" key for hit operation, Good and Busy LED indicators
- Load file, read master, program, verify, auto, ID check, check sum, blank check, erase, secure, protect/unprotect, edit, function configuration, and self-test functions
- Power requirements: 100 - 240VAC @ 50-60Hz • Size: 9.8"W x 8.7"L x 2.0"H

Includes: USB cable (USB A - USB B), power cord, users manual & CD-ROM software

System Requirements: Intel Pentium® or compatible processor w/ 32MB of RAM, USB port, 20MB disk space, Windows® 98/ME/2000/XP/2003, CD-ROM drive

Part No.	Product No.	1	5
667403CG	ALL-11A	\$899.95	\$854.95



HI-LO SYSTEMS

microEngineering Labs

PICBasic and PICBasic Pro Compiler

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I2C instructions to access external serial EEPROMs
- In-line assembler and call support

132661CG: PICBasic Compiler

- Expanded BASIC Stamp I compatible instruction set
- Serial speeds to 9600 baud
- May use up to 2k of code space
- Supports PC12C67x, PIC14Cxxx, PIC16C55x, 66x, 7xx, 84, 92x, and PIC16CF8xx microcontrollers
- PEEK and POKE instructions to access any register from BASIC

150543CG: PICBasic Pro Compiler

- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Real If...Then...Else...Endif
- Interrupts in BASIC and assembler
- Built-in LCD support
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx, and 18Cxxx microcontrollers

Part No.	Description	1	10
132661CG	PICBasic compiler	\$99.95	\$89.95
150543CG	PICBasic Pro compiler	249.95	224.95



132661CG

Universal Programmer – Pocket Size & Battery Powered

Parallel Port Interface

A unique ASIC pin driver, designed specifically for this latest generation programmer, enabling the first true universal input/output capability.

- Supports over 6400 devices: 8-bit and 16-bit EPROM, EEPROM, Flash EPROM, Serial EEPROMs, all Microcontrollers, GAL/PAL/CE without adapters
- Support for ultra-low voltage devices down to 1.3V
- High speed data transfer: 27C256 read/verify = 2 seconds; program = 8 seconds
- Three separately adjustable voltages for all 40-pins
- Fully compatible with Windows® 95/98/ME/NT/2000/XP
- Integrated editor's many features allow user to edit device data, which can be loaded or saved in Intel HEX, Motorola S or binary format
- Operates on AC power adapter or 6 NiMH batteries
- Size: 4.5"L x 3.1"W x 1.3"H • Weight: 0.5 lbs.

Includes: Printer port data cable, power adapter and CD-ROM

System requirements: PC with Pentium® CPU

Part No.	Description	1	5
226309CG	GALEP-4	\$369.95	\$351.49



GALEP-4

Flash Writer/Programmer with USB Interface

- Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: Only 22 seconds to blank check, program, and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947CG	Leaper 3D	\$199.95	\$179.95



Universal EPROM/Flash Programmer w/ USB Interface

- Supports low voltage components up to 2.5V; user selectable verify Vcc with one or two-pass verify voltage
- High speed: 30 sec. to process 16Mbits memory
- Auto detect device pin insertion and contact check
- Select device brand & number by prompt and convenient cross search, Flash memory auto detection
- Supports EPROMs, EEPROMs, Flash EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSPs and PLDs
- Supports file formats JEDEC, binary, Intel 80/86 HEX, Motorola HEX, Tektronic HEX

Includes: USB cable, 12V@1.5A power adapter and CD-ROM software

System requirements: Pentium® II or higher, 32MB RAM minimum, 30MB hard disk space, Windows® 98/ME/2000 operating system

Part No.	Description	1	5
225939CG	Leaper 48	\$554.95	\$531.19



512k E(E)PROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone E(E)PROM Flash programmer. Also interfaces with your PC through the USB port.

- Programs EPROMs, EEPROMs, Flash EPROMs & more
- 2 sockets for master/slave operation
- Stand-alone mode uses two 9V batteries
- IC parameters are adjustable such as programming algorithm, Vpp voltage, and pulse width
- Supports file formats binary and machine code, Intel HEX, Motorola HEX
- Supports Windows® 95/98/NT/2000/ME/XP • Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC @ 500mA power adapter and CD-ROM

Part No.	Description	1	5
220636CG	Leaper-3C	\$275.95	\$260.00



XELTEK 3400+ Device, 40-Pin Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & Flash
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide and CD-ROM software

Part No.	Description	1	5
231183CG	SuperPro-Z universal programmer	\$244.95	\$232.69



25,900+ Device/48-Pin USB Stand-Alone Gang Programmer

- 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 25,957+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- Programs latest low voltage devices
- Asynchronous fast programming, each module is independent from one another
- ISP (in-system programmable) devices supported
- Programming starts automatically when a chip is inserted
- Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hard-keys, 4 compact flash cards (removable which can support up to 256MB)
- Operating voltage: AC input of 90V to 250V@50/60 Hz, or 24V@5A power adapter
- Size: 21.3"L x 7.7"W x 2.3"H

Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and use's manual

Part No.	Description	Price
692490CG	SUPERPRO 9000U programmer	\$3,299.05



13,000+ Device USB Only Programmer

USB Interface

- Universal device (13000+) support includes the latest NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, and Microcontrollers
- On-board FPGAs for extremely fast communication
- Supports real low-voltage support: 5, 3.3, 2.7, and 1.8 volt for programming power
- Detects all pin locations for poor or damaged pin contacts
- External "Start" key allows customer to execute the optional auto program parameters without PC command.
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors • External power supply, 110 or -240 VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port

Includes: USB cable, wall adapter, program CD and manual

System Requirements: IBM PC 386,486, Pentium or compatibles with USB port, Windows® 98/Me/2000/NT/XP, Hard drive, 512K RAM

Part No.	Description	Socket	1	5
694866CG	CHIPMAX 2	48-pin ZIF	\$545.05	\$517.75

Parallel Port Interface

- 5000+ device types supported including(E)EPROM, PROM, Serial PROM, PALCE, GAL, Flash memory, microcontrollers, ATF

Includes: Parallel cable, wall adapter, diskette & manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731CG	CHIPMAX	40-pin ZIF	\$349.95	\$332.95



XELTEK 16,000+ Device 48-Pin USB Programmer

- High speed programming, 32Mb flash in 13.5 seconds (program + verify)
- ISP (in-system programmable) devices supported
- Supports EPROM, paged EPROM, parallel & serial EEPROM, FPGA configuration serial PROM, FLASH memory (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, microcontroller, MCU, standard logic
- Standard 48-pin universal drivers and adapter
- Advanced hardware features minimized bounce noise
- Pin continuity & wrong chip insertion check prevents chip from accidental damage
- Over current and over voltage for programmer hardware
- Software supports Windows® 98/ME/NT/2000/XP

692457CG: supports 16,176+ devices from 132+ IC manufacturers

692449CG: supports 23,625+ devices from 146+ IC manufacturers

Includes: Power adapter, user's guide, program CD, and USB cable

Part No.	Description	Price
692457CG	SUPERPRO 280U programmer	\$525.05
692449CG	SUPERPRO 580U programmer	660.05



21,600+ Device 48-Pin USB/Stand-Alone Programmer

- Fastest low-cost programmer in the market; programs high-density Flash memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Currently 21,600+ devices supported from 140+ manufacturers including memory, MCU, and PLD
- Supports: EPROM, Paged EPROM, Parallel/Serial EEPROM, FPGA Configuration Serial PROM, Flash Memory (NOR and NAND), BPROM, NOVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic
- Reliable programming of low voltage devices down to 1.5 volts
- Over-current/over-voltage protection for safety of the chip & programmer hardware
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.

Includes: 12VDC @ 2.5A AC adapter, program CD, USB cable and user's guide

Part No.	Description	1	5
231221CG	SuperPro-3000U USB universal programmer	\$989.95	\$940.45
231255CG	32-pin PLCC adapter	\$94.95	\$90.25
231263CG	44-pin PLCC adapter	109.95	104.45



High-Speed Universal Device Programmer/Tester

Parallel Port Interface

- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & Microcontrollers
- 8000+ device types supported
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed: 4X faster than offshore brands
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Current limiting protects hardware circuits from improperly inserted or defective chips
- Supports POF and JEDEC formats
- High-speed device function tests and user creatable test library
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket	1	5
207765CG	TOPMAX	48-pin universal ZIF	\$875.95	\$681.86

www.Jameco.com



Solderless Breadboards

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77681CG (pg 332).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry • 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty * WBU5 and JE series do not interconnect

Attention Educators! Buy jumper wire (pg 332) in bulk and SAVE! (see Hook-up Wire on page 109)

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together



JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19289CG & 20079CG, pg 332)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing			
									1	10	50	100
94457CG	JE19	0	1	100	0	6.5 x 0.4	—	0.04	\$2.65	\$2.39	\$2.15	\$1.95
20601CG	JE21	1	2	400	0	3.3 x 2.1	—	0.13	5.25	4.73	4.25	3.83
20669CG	JE22	1	0	630	0	6.5 x 1.4	—	0.20	6.35	5.69	5.19	4.55
194298CG	JE37	1	2	640	0	6.9 x 2.4	—	0.25	9.95	8.96	7.16	5.37
20722CG	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.39	8.45	7.61	6.85
194271CG	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	15.95	14.36	11.48	11.04
20757CG	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901CG	WBU504	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	19.55	17.85	16.15	14.45
20774CG	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20791CG	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20811CG	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

Great Savings on Breadboard Test Leads

Part No.	Description	1	10	25
421315CG	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$12.95	\$11.69	\$10.49

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend
New Sale Lower\$ QtySave

Order 24/7 Toll Free 1-800-831-4242

331

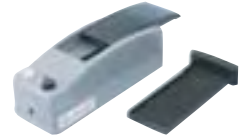
HI-LO SYSTEMS

EPROM Eraser

- Erases all UV erasable EPROMs (32-pin)
- Upper & lower erasing chambers hold a total of 16 EPROMs
- One-year warranty
- Conductive foam liner eliminates static build-up
- Size: 8.5"L x 2.8"W x 2.8"H • Weight: 1.6 lbs.

Includes: AC adapter – 9VDC @ 600mA and a timer which turns eraser off at the end of the selected time period – 10 to 60 minutes

Part No.	Description	1	5
121267CG	EPROM eraser	\$154.99	\$149.99



UVP

EPROM Eraser and Accessories

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²

- Weight: 2.3 lbs.
- Size: 9.0"L x 3.7"W x 2.6"H



Part No.	Description	1	5
15712CG	8-chip eraser	\$106.85	\$101.49
34382CG	Lamp for 15712CG	39.95	29.95
13864CG	Foam (12" x 24" x 0.25")	9.29	8.35



20757CG



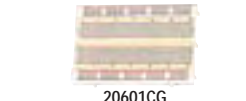
20774CG



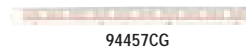
20791CG



20811CG



20601CG



94457CG



20669CG



20722CG



136901CG



421315CG

 Blue Part No. = Limited Quantity Available

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers



19289CG

19289CG: 350-piece wire jumper kit

• Handy, durable, clear plastic case

20079CG: 350-piece refill for 19289CG

• Case not included

Part No.	Description	1	10	50	100
19289CG	Wire jumper kit	\$15.95	\$14.39	\$12.95	\$11.65
20079CG	Refill for 19289CG	10.99	9.89	8.90	8.01

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue



126341CG

Blue Part No. = Limited Quantity Available

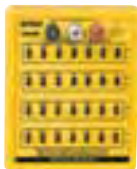
Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126359CG	JW50	50/1.97	\$3.95	\$3.49	\$2.95
126341CG	JW100	100/3.94	4.95	4.49	4.05
126324CG	JW200	200/7.87	5.19	4.69	4.25



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668CG

211668CG:

- 1% resistance substitution from 1Ω to 11.11110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



211676CG

211676CG:

- 5 decade ranges of capacitance
- 5% capacitance substitution from 100pF to 11,111μF

Part No.	Description	1	10
211668CG	Resistance	\$98.95	\$93.95
211676CG	Capacitance	128.95	122.45

Fabricating Printed Circuit Boards

Newnes Publishing Designing and fabricating a single-printed circuit board for a design prototype or producing boards for a limited number of devices can be a major headache for electronics engineers and hobbyists. In this hands-on guide, the author describes the complete process of taking a schematic diagram and using it to produce a printed circuit board. (236 pages, 2002)



- Size: 7.0" x 9.3"

Part No.	Description	Price
667391CG	Printed Circuit Boards Book	\$27.49

Digital/Analog Design Labs

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard

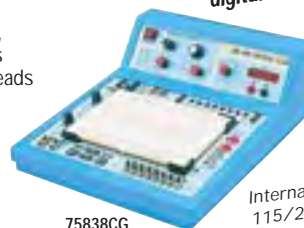
- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vp-p variable • Triangle wave output: 6Vp-p fixed • Square wave output: ±5V fixed



75838CG

Our most popular digital lab!

International 115/220VAC Switchable



201890CG

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75838CG	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890CG	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75838CG	Digital lab	10.6 x 13.3 x 5.0	8.1	\$276.95	\$249.95	\$226.95
201890CG	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8	429.95	365.46	305.56

Digital/Analog Design Lab

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- Variable DC output: 0 to +15V & 0 to -15V @ 500mA
- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Input power: 120/220VAC @ 50-60Hz (switchable)

Function Generator

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vpp variable • Triangle wave output: 0-6 Vpp variable • Square wave output: 0-8 Vpp variable

Other features:

- 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 2 pulse switches (2 sets of outputs: A, A, B, B)
- Two 7-segment LED displays (digit height: 0.3")
- 8 data switches
- 2.5" dia. 8Ω, 25W speaker
- 2 banana sockets, 2 BNC jacks
- One-year warranty

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136266CG	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$379.95	\$341.99	\$307.79
319214CG	Replacement breadboard	6.7 x 6.5 x 0.4	0.5	24.45	22.28	21.16

Powered Project Board

- Solderless breadboard with 2420 tie points
- DC power supplies: +5V @ 1A; variable power 0 to +15VDC and 0 to -15VDC @ 500mA
- Back panel has ground terminal
- Outputs are short-circuit protected
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103907CG, pg 99
- Power switch with light
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H
- Weight: 6.8 lbs. • One-year warranty



CE

International 120/220VAC Switchable

Includes: Power cord

Part No.	Description	1	10	25
136258CG	Powered breadboard	\$99.95	\$89.95	\$87.95

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:

- +5VDC @ 1A;
- -5V @ 300mA fixed;
- 0 to +15VDC @ 500mA variable;
- 0 to -15VDC @ 300mA variable;
- 12-0-6-6-12 tapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in and start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77841CG, pg 304
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Part No.	Description	1	10	25
77681CG	Power supply	\$119.95	\$109.95	\$99.95

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

Robotic Controller Kits

Board of Education Full Kit

The Board of Education Full Kit is a concise package of all the hardware you need to begin building projects with the BASIC Stamp microcontroller.

Everything you need is included except for a power supply, components and parts to build projects. So if you plan to purchase the Stamps in Class parts and kit selections or if you have a workshop full of LEDs, resistors, capacitors, sensors and more then this is the right kit for you.

- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for BS-2 programming and serial communication during runtime
- Female 10-pin dual row connector for optional AppMods
- PO – P15 I/O pins

Includes: Board of Education carrier board, BS-2 module, pluggable wires, serial cable and CD-ROM

Part No.	Product No.	1	10
1536907CG	28103	\$118.95	\$96.99

Boe-Bot Full Kits

Now with Robotics text v2.0!

The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and Basic Stamp may be removed to be used as your platform for the other Stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4AA batteries (not included).

Part No.	Product No.	1	10
282933CG	28132 (serial)	\$148.45	\$147.09
387997CG	28832 (USB)	148.45	147.09

Microcontroller Application Cookbook Vol. 1 & 2

Vol. 1 is a wide-ranging collection of 113 interface circuits designed around the BASIC Stamp 2. For somebody getting started with microcontrollers. Discusses timing diagrams, interfacing, A/D conversion and how to control a high-voltage circuit with a solid-state relay.

Vol. 2 is a new collection of 154 interface circuits designed around the BASIC Stamp 2.

Part No.	Product No.	1	10
282925CG	28113	\$59.95	\$59.55

Advanced Toddler Robot Kit

Walking robots have mechanical and software interdependencies that require in-depth examples and explanation.

The Advanced Robotics text is an introduction to the Toddler robot's basic movements. Students using the Toddler robot will learn advanced embedded programming with BASIC, efficient code development, sensor feedback, and general control. Because of the number of possible movements, we consider the Toddler to be appropriate for those aged 14 and above.

Includes: 155-page Advanced Robotics text in the Stamps in Class style and the 351-page BASIC Stamp Manual

Part No.	Product No.	1	10
282837CG	2731	\$248.95	\$236.49

BS2 Educational Starter Kit

This complete "Getting Started" kit is enhanced to include the *What's a Microcontroller?* (WAM) curriculum.

Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With this latest edition of the kit, you will receive the *What's a Microcontroller?* parts and text making this combination a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Product No.	1	10
282829CG	27207	\$158.95	\$152.95

Basic Analog and Digital Parts & Text V1.2

Covers the essentials of 8-bit A/D & D/A conversion using a BASIC Stamp. Introduces PBASIC commands for A/D conversion with resistor/capacitor circuits, interfacing an ADC0831 8-bit A/D converter, scaling analog outputs into meaningful digital values, analyzing time-varying signals and using PWM as analog output.

Part No.	Product No.	1	10
282950CG	28155	\$43.95	\$40.29

Stamp Works Kit Plus

This all-in-one kit takes you beyond theory, into a well-written collection of 35 experiments that will teach you first class BASIC stamp programming.

You'll learn to get the most out of the BASIC Stamp and to increase its versatility by connecting to popular active and passive components.

• Weight: 10 lbs.

Includes: Stamp Works experiments and Basic Stamp Source Code book, Basic Stamp Syntax and Reference Manual, professional development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N parallel-in/serial-out 8-bit shift register, LM358N low-power dual op amp, DS1620 digital thermometer and thermostat, (2) 74HC595CN shift register, 24LC32A 32k I2C serial EEPROM, MC14489 lamp display driver, serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	Price
661116CG	27297 kit	\$248.95

BS2P Professional Starter Kit

Provides the engineer with all the parts required to get started with the BS2P microcontroller.

The kit includes a selection of components and ready-to-run source code that will help master some of the exciting new features of the BS2P.

Includes: Manual, BS2P demo board, BS2P-24 microcontroller, DB9 (serial) programming cable, PCF8583 chip, 32.678kHz crystal, 24LC32 serial EEPROM, DS1822 thermometer, (3) 4.7K resistors, jumper wires

Part No.	Product No.	1	10
202323CG	27235 kit	\$194.95	\$175.49
282984CG	45187 BS2P40 demo board	88.95	84.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.

Details on page 343.

Interested in more kits? Visit Jameco's RobotStore at www.RobotStore.com

Order 24/7 Toll Free 1-800-831-4242

333

Color Code Legend

New Sale Lower\$ QtySave

Servo Controller

Controls up to 16 servos and may be networked together to control 32 servos using a single I/O line.

- 2400 to 384k baud serial port
- 63 ramp rates
- 16-bit PWM timers
- RS-232 serial protocol



Part No.	Product No.	Description	1	10
282896CG	28023	Servo controller	\$38.95	\$36.95

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Torque: 49 oz.-in. @ 4.8V
- Can be operated by P/N 151001CG, pg 174
- 0.8"W x 1.4"D x 1.6"H



Part No.	Description	1	10
157067CG	Robotic servo	\$19.95	\$17.95

Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Torque: 161 oz.-in.
- Power supply: 4.8-6 volts
- Speed: 19 seconds to 60°
- Can be operated by P/N 151001CG, pg 174



Part No.	Description	1	10
166351CG	Giant robotic servo	\$44.95	\$42.69

Flex Sensor

- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering



Part No.	Description	Nominal Resistance	1	10
150551CG	Flex sensor	10Ω	\$12.95	\$11.65

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight. • Length: 1 meter

How it works... Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.



Includes: Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
								1	10
141321CG	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874CG	150LT	150	50	400	62	330	20	16.95	15.29
160055CG	375LT	375	8	2750	393	2000	4	22.95	19.95

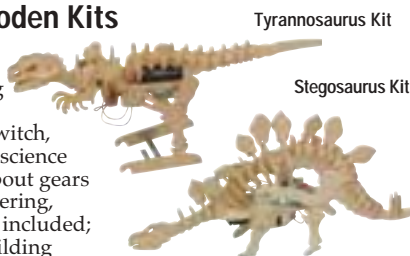
* Multiply by 0.0098 to get force in Newtons ** Cycles per minute, in still air, at 20° Centigrade

Motorized Wooden Kits

Kits, ideal for your child.

Your child will love building these kits and watching them walk. These kits come with "kid friendly" pre-punched wooden parts, gearbox, gears, shafts, switch, motor, and battery holder. A marvelous educational science project for ages 8 and up, and a great way to learn about gears and transmissions. These kits require no glue or soldering, just a few simple hand tools, and 2 AA batteries (not included; see pages 262-264 for batteries). Your kids will be building these kits in no time.

- Gear driven transmission
- Requires: knife, screw driver, and long-nose pliers



Part No.	Description	Price
242915CG	Stegosaurus kit	\$11.95
242923CG	Tyrannosaurus kit	11.95

OctoBot Survivor Robot Kit

Explore the challenge of "Always On Robotics" with the OctoBot Survivor Robot! When its batteries get low, OctoBot doesn't just sit there—it gets active and looks for electric food! It tracks in on its electronic charging station until it makes contact and then "feeds" until fully recharged. It will amaze you! Between charges the OctoBot exhibits a range of active and interesting behaviors, and it has a wide range of expansion possibilities for your add-ons and experiments!



Includes: Six AA NIMH cells and AC adapter (110V AC input, 12-15V AC output)

Part No.	Description	Price
357991CG	OctoBot survivor robot kit	\$199.95

Over 2,000 Additional Products Available at
www.RobotStore.com
800.374.5764

Crossbow Accelerometer Evaluation Boards

Dual Axis

Evaluation board for the ADXL202, dual axis, 2g accelerometer.

177308CG: features RS-232 interface to connect to PC serial ports. Also includes software to display real time acceleration data.



Part No.	Product No.	Description	1	10
177287CG	ADXL202EB	Dual axis	\$59.95	\$53.95
177308CG	ADXL202EB-232	w/ RS-232	164.65	150.29

Crossbow Accelerometer

Triple Axis Accelerometer

- Dynamic range and excellent frequency response
- Current: 24mA
- Shielded cable: 2-foot pigtail
- Acceleration range: ±4g
- Size: 1.9"L x 1.0"W x 0.8"H



Requires: 5VDC power supply, not included (recommend P/N 164101CG, pg 251)

Part No.	Description	1	10
141575CG	CXL04LP3	\$339.95	\$319.95
141583CG	Digital interface card	324.39	293.95

Mobile Robotic Car Design Book

McGraw Hill This book describes in complete detail how to build a robotic car. It provides detailed photographs, schematics, list of vendors for parts, and provides software code for the processor and the digital signal processor with an explanation of what the code does and why. Printed circuit board files are free and can be downloaded from www.books.mcgrawhill.com/authors/Kachroo Mellodge. (278 pages, 2005)



Part No.	Description	Price
313592CG	Mobile Robotic Car Design	\$23.95

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!
1-800-831-4242



26-Pitch Press-Fit Gears and Gear Set

- Works with DC motors with 0.156" and 0.078" shaft diameter
- Heavy-duty plastic construction
- Diametral pitch: 26
- Material: polyethylene resin

131801CG: 20-piece gear set includes two each of 10, 20, 30, 40 and 50 teeth gears and ten bushings

* Prepackaged: please order in increments of 10 or 100

Part No.	Description	Bore Size	Dia.	Works w/ Shaft Dia.	Outer Gear Dia.	1	10	100
162069CG	10 teeth gear	0.149"	0.378"	0.156 (5/32)"	0.455"	\$.89	\$.69	\$.55
162077CG	20 teeth gear	0.149"	0.756"	0.156 (5/32)"	0.842"	.89	.69	.49
162085CG	30 teeth gear	0.149"	1.142"	0.156 (5/32)"	1.225"	.89	.69	.49
162392CG	Bushing	0.075"	—	0.078 (5/64)"	—	.28	.25	.22
Part No.	Description					1	10	50
131801CG	Gear set – 20 pieces of all the gears and bushings shown above					\$7.99	\$7.29	\$6.49

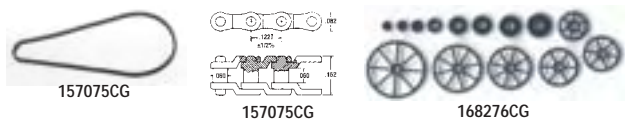


16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

168276CG: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size

Part No.	Description	1	10	25
157075CG	Drive chain (12" long)	\$9.95	\$8.95	\$7.95
168276CG	Sprocket set – 14 pieces (see description above)	29.49	26.49	23.89



Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

168284CG: 12-piece gear set includes 1 each of the following: 10 teeth with 1/8" bore size; 14 and 16 teeth with 1/4" bore size; 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/2" bore size

Part No.	Description	1	10	25
157104CG	1/4" bore aluminum mounting hub with set screws	\$5.19	\$4.69	\$4.15
168284CG	Gear set – 12 pieces (see description above)	39.95	34.95	31.95



"D" Type Bore Pinion Gears

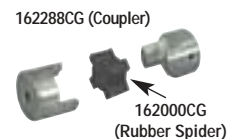
- Black Nylon
- "D" type bore

Part No.	Description	Pitch	Bore Dia.	Dia.	1	10	100
662581CG	30 tooth gear	18	0.232"	0.610"	\$.89	\$.69	\$.49
662590CG	32 tooth gear	9	0.315"	1.325"	1.09	.89	.69



Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



Part No.	Description	1	10	50
162288CG	.125" (3.18 mm) ID hub	\$1.35	\$1.15	\$.86
161998CG	.197" (5.00 mm) ID hub	1.09	.89	.59
162270CG	.250" (6.35 mm) ID hub	1.35	1.19	1.09
162000CG	Rubber spider	1.29	1.15	1.05

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD



Part No.	Description	1	10	100
138288CG	.250" ID sleeve coupler	\$4.49	\$4.05	\$3.65

Gears and Shafts Kit

Bag of 10 gears, shafts and accessories. Great for science projects. All parts fit 2mm shaft motors.

SALE

Part No.	Description	1	10
215298CG	Gears and shafts kit	\$5.59	\$4.99



Electronic Lock

velleman Code Lock Kit ■ 67-piece kit

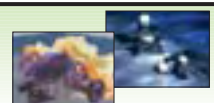
- Switch an alarm on and off or open door locks
- 3000+ codes possible
- LED indicates state
- Pulse or switch outputs
- Relay contact rating: 5A/220V
- Dimensions: 1.7"L x 1.8"W • Weight: 0.5 lbs.



Requires: 8-12VAC power supply (P/N 100061CG, pg 254)

Part No.	Product No.	1	10
127554CG	K6400	\$25.95	\$24.65

For more kits visit
www.Jameco.com



Educational Kits

Fuel Cell Car Kit ■ 39-piece kit

Build a car with this kit that runs on water and watch as it turns water into hydrogen and oxygen, forming a gas to power your fuel cell car. Includes manual, explains how to build a solar powered car, the effects of direct and indirect radiation, the characteristics of a solar module, how to construct and load a reversible fuel cell, and the decomposition of water in the fuel cell.



Part No.	Description	1	10
307723CG	Fuel cell car and experiment kit	\$139.95	\$125.95

Power House Kit ■ 59-piece kit

Now you can build, heat and illuminate an energy-efficient house. Get to know and use the power of the sun, wind and new technologies. Conduct 70 experiments and build more than 20 devices with this Power House Kit.



Includes: 100-page full color manual

Part No.	Description	1	10
307731CG	Power house kit	\$139.95	\$125.95

Build Your Own Telegraph Kit ● 12-piece kit

Wind coils (with the included arbor, to ensure success), tinker with electromagnetism and magnetic fields, build a buzzer and replay, dabble in Morse Code and learn about the scientific methods used by great inventors. Superb documentation leads builders through the entire educational experience step-by-step. Multi-packs of this kit are available for classroom use, complete with valuable teachers guide. Call today for details and special pricing!



Part No.	Description	1	10
285624CG	Telegraph kit	\$47.75	\$45.46



**Save Big!
Special Values!**

Sale Priced Items = Yellow

CEBEK 1 Second to 3 Minute Timer Module

By operating a button, the relay will be activated for the selected time.

- Output contact rating: 5A @ 200VAC

Requires: Power supply 12V @ 50mA (recommend P/N 100095CG, pg 252)

Part No.	Description	Dimensions	1	10
147871CG	I-1 timer	3.0"L x 1.7"W x 1.2"H	\$19.95	\$17.95



3 Second On to 1 Minute Off Cyclic Timer Module

By triggering the timer, the contacts will be engaged. Once this time has expired, the relay will remain in the off state for 3-60 seconds. It then restarts, repeating the on and off process until power is disconnected.

- Output by relay • Contact rating: 5A @ 200VAC

Requires: Power supply 12V @ 50mA (P/N 100095CG, pg 252)

Part No.	Description	Dimensions	1	10
147846CG	I-10 timer	3.0"L x 1.7"W x 1.2"H	\$22.49	\$20.29



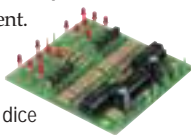
velleman Dual Electronic Dice Kit 85-piece kit

Board games provide an excellent source of entertainment. Play with these electronic dice. Great for education of probability theory. Displays are switched off automatically after 30 seconds to save battery power.

- Two fully independent dice, you can play with one or two dice

Requires: 9V battery (recommend P/N 198791CG, pg 262)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
200352CG	K3400	3.0"L x 2.8"W	0.5	\$18.95	\$16.95



velleman Multifunction Clock Kit 335-piece kit

A multifunctional clock with six 1.42"

high digits that indicate time, date and temperature, selectable via a toggle switch. Includes a countdown function to a specific date with the last day displayed in HH:MM:SS. Also functions as a chronometer with lap function (1 second resolution), a scoreboard (two players or teams, counts up to 199), a random number generator from 00 to 99, 2-digit dice, counter and chime. US and European display option for time, date, and temperature formats. All functions and settings are wireless remote controlled (wired remote is possible).

- Fixed 433.92MHz transmitter frequency
- Temp. range: -20°C to +70°C (10 resolution): 0°F to +1500°F (20 resolution)
- Memory back-up option: 9V battery or rechargeable battery
- Relay output: 1A/24V max • Power supply: 12VDC @ 300mA (not included)
- PCB size: 10"L x 32"W • RF key chain remote control (battery not included)

Part No.	Description	1	10
319281CG	Multifunction clock kit	\$99.95	\$94.50
319290CG	Case for multifunction clock kit	19.95	18.97



velleman Jumbo Single-Digit Clock 37-piece kit

- Time displayed as sequence of digits
- Bright 57mm (2.25") jumbo single-digit red 7-segment display
- Single button operation • 12 hour system
- "Blank Display" function • Accuracy: 30ppm
- Power supply: 9 - 12VDC @ 150mA (max.)

Part No.	Product No.	Dimensions	1	10
645044CG	K3400	2.9"L x 2.3"W x 1.3"D	\$26.55	\$25.25



Test & Measurement Kits

Function Generator Kit 21-piece kit

Sine, Triangle and Square Wave

Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.

- 21-piece kit (chip, components, PC board, hardware)

Requires: 12VDC supply or ±6VDC split supply (recommend P/N 20626CG, pg 340)

Part No.	Cross Ref. No.	Dimensions	1	10
20685CG	JE2206	4.1"L x 1.5"W	\$24.95	\$22.95



velleman Metal Detector 22-piece kit

- Proximity range adjustable to 8cm • Size: 2.1"L x 2.1"W
- LED indicator; can use with a buzzer

Requires: 9V battery (recommend P/N 151095CG, pg 262)

Quantity SAVE

Part No.	Product No.	Description	1	10
129091CG	K7102	Metal detector	\$11.95	\$8.96



velleman Water Leak Alarm Kit 7-piece kit

Alarms you about water overflows and leaks!

- Water sensor can be placed at a distance by cutting the board and using wires for connection • Incorporates loud alarm buzzer

Requires: 9VDC battery (P/N 151095CG, pg 262)

Part No.	Product No.	Dimensions	1	10
157315CG	MK108	2.8"L x 1.8"W	\$7.89	\$7.19



LED VU Meter Kit 36-piece kit

Built around the U1096BIC, this LED-based analog-style meter puts a bright, readable VU measurement right where you need it. With an operating voltage of 8 to 16 volts and input current of 20mA, this meter is perfect for a wide range of audio applications. It's even adaptable for non-VU applications, like voltage or current measurement. Switch it on, and you'll immediately see the possibilities in this bright-green, illuminated, adjustable display device!

☛ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
313904CG	LED VU meter kit	\$24.95	\$23.70



Logic Probe Kit 13-piece kit

This logic probe tests digital circuits at various points, and shows whether that point is high, low, or constantly changing. This will help you understand and troubleshoot logic gates, timers, clocks, counters, pre-scalers, and other digital circuits.

Part No.	Description	Dimensions	1	10
662725CG	Logic probe kit	4.0"L x 0.75"Dia.	\$9.95	\$8.96



Battery Charger Kits

velleman Lead Acid Battery Charger Kit 62-piece kit

For charging and maintaining both open and sealed type 6V or 12V lead-acid batteries. Can be hooked-up to the unit or an indefinite time, and will be kept in optimal condition.

Requires: 18V/25VA transformer (P/N 149956CG, pg 256)

SALE

Part No.	Description	1	10
239521CG	Lead acid battery charger kit	\$36.95	\$35.15



Order Anytime, Day or Night!

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email.
1-800-831-4242



Super Snooper Big Ear Audio Amplifier Kit

■ 17-piece kit

Listen through walls, hear conversations across the room or listen to sounds a block away. Add a parabolic reflector or mount the microphone in a tube to isolate unwanted noise and make a directional microphone.

• Operating voltage: 9VDC (recommend P/N 151095CG, pg 262)

Includes: Instructions, outputs for speakers or headsets, and schematic

Part No.	Description	Dimensions	1	10
151204CG	Audio amplifier kit	1.8"L x 1.0"W x 0.6"H	\$10.95	\$9.95

FM Stereo Transmitter Mini Kit

■ 37-piece kit

Run your own FM radio station! Plug any stereo signal into this unit and it will be transmitted to any FM radio. Tuneable from 88–108MHz. Plug in a CD player or tape deck and you have a wireless link to an FM radio within 200 feet. Clarity is approximately 40dB stereo separation.

Requires: 9VDC power supply (recommend P/N 151095CG, pg 262)

Part No.	Description	Dimensions	1	10
151239CG	FMST-100 stereo kit	2.7"L x 2.0"W	\$29.95	\$26.95

velleman FM Transmitter

■ 26-piece kit

Mini FM transmitter (100–108MHz) ideal for family broadcasts, baby monitors and security. May be received by any portable FM radio or tuner.

• Integrated pre-amplifier (sensitivity 5mV)

Requires: 9–12VDC power supply (recommend P/N 20626CG, pg 340)

Part No.	Product No.	Dimensions	1	10
117604CG	K1771	1.8"L x 2.8"W	\$10.25	\$10.05

velleman FM Radio Kit

■ 65-piece kit

Easy to assemble – no coils to wind. Receives the complete FM band of 88–108MHz.

• With on/off switch, volume control, and LED indicator
• Single adjustment

Requires: 12VDC @ 100mA power supply (recommend P/N 100095CG, pg 252)

Part No.	Product No.	Dimensions	1	10
211772CG	MK118	4.8"L x 3.3"W	\$21.95	\$19.95

One-Chip AM Radio Kit

■ 39-piece kit

• Uses an IC that performs as an RF amp, detector and AGC in an AM radio

Requires: 9V battery (recommend P/N 151095CG, pg 262)

☉ **Blue Part No.** = Limited Quantity Available

Part No.	Description	Dimensions	1	10
125161CG	AM radio kit ☉	4.0"L x 1.3"W x 0.5"H	\$13.95	\$12.95

velleman Universal Mono Pre-Amplifier

■ 17-piece kit

For audio applications with insufficient input signal.

• Output impedance: 1k Ω • Max. input signal: 40mV
• Frequency range: 20Hz - 20kHz +/-3dB
• Adjustable output level: 40dB max.

Requires: 10/30VDC @ 10mA power supply (recommend P/N 20626CG, pg 340)

Part No.	Product No.	Dimensions	1	10
117612CG	K1803	1.2"L x 1.8"W	\$8.95	\$7.95

velleman 10 LED Mono VU Meter Kit

■ 36-piece kit

- Instant visualization of audio signal levels
- Easy hook up to a LINE level (LOW input) signal source
- Special input (HIGH input) is provided, which allows direct connection to a speaker
- Frequency range: 20Hz to 30kHz
- Dot or bar display mode selectable

Requires: 15VDC @ 300mA max. power supply (P/N 189982CG, pg 253)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147643CG	K4304	2.7"L x 1.4"H	0.3	\$16.99	\$15.99

velleman 7-Watt Amplifier Kit

■ 22-piece kit

- Music output power: 7W @ 4 Ω
- RMS output: 3.5W @ 4 Ω & 2W @ 8 Ω
- Harmonic distortion: 0.05% (1W/1kHz)
- Frequency response: 20 to 20kHz (-3dB)
- Short circuit/overload protection

Requires: 15VDC (8–18VDC) @ 500mA power supply (recommend P/N 155803CG, pg 253); speakers

Part No.	Product No.	Dimensions	1	10
127255CG	K4001	2.2"L x 1.4"W	\$13.95	\$12.49

CEBEK 20-Watt RMS Amplifier Module

- Input signal: 250mV • Maximum current: 2A
- Output impedance: 4–8 Ω (mono) • Pre-assembled
- Terminals: 0.1" matching disconnect solderless terminals
- Size: 2.8"L x 2.8"W x 1.6"H

Requires: Power supply: 12V @ 2A (recommend P/N 143714CG, pg 248)

Part No.	Description	1	10
147838CG	E-11 mono amplifier	\$24.95	\$22.49

velleman 30-Watt Stereo Power Amplifier

■ 38-piece kit

General purpose stereo amp for audio applications.

- RMS output: dual 15W @ 4 Ω or dual 10W @ 8 Ω
- Frequency bandwidth: 7Hz to 60kHz (-3dB)
- Separation: 70dB
- Supply voltage: 24VCT @ 2A (recommend P/N 101864CG, pg 256)

Part No.	Product No.	Dimensions	1	10
129138CG	K4003	2.8"L x 2.0"W	\$29.95	\$26.95

200W Mono/Stereo Amplifier

▲ 57-piece kit

Three keywords to describe this amplifier:

universal—a stereo or a mono amplifier with three input sensitivity settings;

robust—overload and short-circuit protection against incorrect power supply polarity and thermal protection; and lastly **compact**.

- RMS output power: 2 x 50W/4 Ω ; 2 x 40W/8 Ω
- RMS mono-bridged power: 100W/8 Ω
- Total music output: 200W
- Harmonic distortion: 0.01% @ 1kHz
- Stereo channel separation: 85dB
- Input sensitivity: 300mV/550mV/1V switchable
- Power supply: \pm 28VDC
- Signal to noise ratio: 102dB
- Input impedance: 22k Ω

Part No.	Product No.	Dimensions	1	10
645301CG	K4004B	8.3"W x 3.4"H x 2.5"D	\$91.15	\$89.75

Jameco's Got The Docs

We offer free technical documents for most of the products we carry.
Find them easily on the product specification pages at www.Jameco.com.



Guitar Pre-Amplifier w/ Headphone Output ■ 34-piece kit

An electric guitar cannot be connected to just any amplifier or audio installation. This pre-amplifier has been designed for this purpose and provides you with a headphone output, allowing you to practice without disturbing others. Fitted with a special device for tone adjustment to create your own sound.

- Headphone output: 2 x 50mW/32Ω (max.)
- Sound adjustment
- Power supply: 9V battery (not included)
- Adjustable input sensitivity

Part No.	Product No.	Dimensions	1	10
645327CG	K4102	4.1"L x 2.8"W X 1.2"H	\$34.99	\$32.99



velleman Sound Generator Kit ■ 61-piece kit

- Produces 10 different sounds w/ adjustable speed: guns, sirens, car engines, explosions, tunes, screeching tires, phaser guns
- Push-button keyboard

Requires: 8Ω, 1 watt speaker; 9V battery (recommend P/N 151095CG, pg 262)

Part No.	Product No.	Dimensions	1	10
127562CG	K4401	2.8"L x 2.8"W	\$29.95	\$26.95



Siren Kit ● 20-piece kit

- Oscillator is off until you press the switch, then a rising tone is produced until a steady value is reached
- If switch is released, tone starts dropping until it cuts off
- Circuit designed around a dual op amp connected as an oscillator and driver

Requires: 9V battery (recommend P/N 151095CG, pg 262)

Part No.	Description	Dimensions	1	10
125137CG	9V siren	2.0"L x 0.8"W x 0.5"H	\$7.95	\$7.15



FM Stereo Transmitter Kit ■ 45-piece kit

Transmit to any FM radio tunable from 88 to 108MHz. Tune your receiver to a clear spot on the dial, a spot you cannot hear any signal, then tune the FMC-2000 until you hear its signal. Compatible with any of your audio system components. Plug in your CD player or tape deck and have a wireless link to any FM radio. Transmit music from your computer to any FM Radio. Transmit music on one channel, sing on the other. Clarity is excellent, approx. 40dB stereo separation. Transmits up to 200 ft. (Does not include enclosure.)

Part No.	Product No.	1	10
662741CG	FMC-2000	\$54.95	\$46.46



Radio Direction Finder Kit ▲ 69-piece kit

A direction finder antenna that connects to any UHF/VHF Ham Radio or Scanner; great for finding hidden transmitters that are raising havoc with your repeater. Tune your radio to the frequency of the transmitter you are trying to locate (from 140MHz to 500MHz); you will hear a tone and the transmitter modulation at the same time. To further check your progress, the signal level meter of the radio should rise.

Part No.	Product No.	1	10
662733CG	SDF-1	\$44.95	\$40.46



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Electronic Record/Playback Module ▲ 64-piece kit

High-quality, natural voice/audio reproduction. Can be used to greet visitors, play pranks, or warn off burglars. EEPROM technology with 100-year message retention, and up to 20 seconds of recording time per module. No memory loss in case of power failure. 2 play modes: push once to play message / play message until button is released.

- Speaker output: 12mW, 8 - 16Ω
- Sampling frequency: 6.4kHz
- Power consumption: DC power supply: 4mA standby, 100mA (max.) during playback; battery operated: 20uA standby, 100mA (max.) during playback
- Power supply: 8 - 18VDC or 6V battery (4 AA or AAA not included)

Part No.	Product No.	Dimensions	1	10
645335CG	K8030	3.7"L x 2.9"W X 1.0"H	\$33.85	\$29.59



200W Power Amplifier Module

- Fully discrete design using epitaxial Darlington transistors
- DC supply circuit on board with LED indication
- Ideal for active speaker system or subwoofer, guitar amp, home theatre systems, instrument amp, etc.
- Comes fully adjusted and tested
- Overload and short-circuit protection
- 200W music power @ 4Ω load
- 100Wrms power @ 4Ω load
- Distortion: 0.02% @ 1kHz/10W
- Frequency response: 3Hz to 200kHz (-3dB)
- Signal to noise ratio: 115dB
- PCB dimensions: 107x62mm (approx.)
- Recommended power transformers: 230VAC input, 2 x 30VAC output; 115/230VAC input, 2 x 25VAC output
- 200W music power @ 4Ω load
- 70Wrms power @ 8Ω load
- Damping factor: >800
- Sensitivity: 0.6Vrms
- Power supply: 25-30VAC, 120VA

Part No.	Product No.	Dimensions	1	10
645239CG	VM100	4.2"L x 2.4"W	\$66.05	\$64.99



Wide Band Amplifier Kits ■

662750CG: 7-pieces

- 1MHz to 1.5GHz, 7.5dB NF
- 1dB compression = +11dBm
- Gain: 1MHz - 8dB to 1.5GHz - 5dB
- Power requirements: 12VDC @ 50mA

662768CG: 7-pieces

- 1MHz to 2.5GHz, 2.8dB NF
- 1dB compression = 0dBm
- Gain: 1MHz - 20dB to 2.5GHz - 6dB

662784CG: 11-pieces

- Gain: 4MHz - 29dB to 1.9GHz - 17dB
- Power requirements: 12VDC @ 56mA

- Power requirements: 12VDC @ 6mA

- 4MHz to 1.9GHz, 3dB NF
- 1dB compression = +8dBm

Part No.	Product No.	Dimensions	1	10
662750CG	WBA4	1.2"L x 0.8"W	\$14.95	\$13.46
662768CG	WBA6	1.2"L x 0.8"W	19.95	17.96
662784CG	WBA64	2.5"L x 0.8"W	29.95	26.55



Audio Stereo Amplifier Kit ■ 32-piece kit

This kit teaches how amplifiers take a small signal and amplify it to drive two small speakers or headphones. Provides up to 1-Watt of low-distortion audio power. The harmonic distortion is 0.2% and the voltage gain is up to 46dB.

Part No.	Product No.	Dimensions	1	10
662670CG	EBST-11	2.8"L x 2.3"W	\$9.95	\$8.96



velleman Voice Activated LEDs Kit ■ 33-piece kit

Uses sound to activate the flashing of 4 bright red LEDs.

- Power consumption: 0.5mA min./12mA max.
- Adjustable sensitivity

Requires: 8-15VDC power supply (P/N 100095CG, pg 252) or 9VDC battery (P/N 151095CG, pg 262)

Part No.	Product No.	Dimensions	1	10
147571CG	MK103	2.5"L x 1.6"W x 1.4"H	\$9.95	\$8.95



Parking Radar Kit 55-piece kit

Parking in tight places can be difficult, but this unit can tell you when you have come within an adjustable preset distance of the object near you.

- Detection range: 5cm – 1.5m; angle: 5°
- Transmitter frequency: 40kHz
- PCB size: base (4.9"L x 1.9"W) sensor (3.8"L x 1.1"W)

Requires: 10-15VDC @ 16mA max (recommend P/N 100095CG, pg 252) or auto power plug (recommend P/N 115001CG, pg 171)

Part No.	Product No.		1	10
129120CG	K3502		\$39.95	\$34.95

Stroboscope Kit 19-piece kit

Make your own snapshots and "lightning" light effects. Flash frequency adjustable from 2 - 20Hz.

- Input: 110VAC

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
117639CG	K5300	3.5"L x 2.6"W	0.5	\$15.85	\$15.15

3-Channel Light Organ Kit 80-piece kit

Add a 3-channel dancing light display to your music. Each channel displays a different range of sound.

- Frequency ranges are adjustable
- Microphone input
- Maximum load 2A per channel
- Each output has individual sensitivity control

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
131684CG	K8017	6.7"W x 5.6"D x 1.7"H	1.2	\$49.95	\$39.95

IR LED Illuminator Kit 41-piece kit

- 36 high powered infrared LEDs
- At 24" the beam is approximately 3.5' across
- Improve low-light camcorder and CCD camera images without visible light

Requires: 12-15VDC power supply (recommend P/N 114825CG, pg 252)

Part No.	Description	Dimensions	1	10
157964CG	IR Illuminator kit	2" Dia.	\$16.95	\$15.29

Stop Light Controller Kit 36-piece kit

This kit will simulate the operation of red, yellow, and green traffic lights. Applications such as model train displays, three way traffic intersections, dancing light in a party room, and other countless applications. If you would need to control larger lamps you can connect a relay or an I/O module to each output.

- Red, yellow and green LEDs included
- Power requirements: 7.5 to 18VDC

Part No.	Cross Ref. No.	Dimensions	1	10
662709CG	STOP-1	2.8"L x 2.3"W	\$17.95	\$16.16

Distance Sensor Modules

Sends out a sound wave 20 times per second and calculates the distance based on the time differential between sent and echoed signals. The distance is represented by an output voltage from 0 to 10VDC (P/N 134105CG) or RS-232 signal (P/N 151482CG).

- Sensing range: 4" to 60"
- Board size: 2.8"L x 1.8"W x 0.9"H
- Sensor diameter: 1.8"
- One-year warranty

Requires: 15 to 24VDC @ 40mA (not included), recommend P/N 114825CG, pg 252

- 134105CG:** • Output voltage: 0-10VDC
- Each 1VDC increment = 5.6" (e.g.: 1VDC output = 9.6")
- 151482CG:** • RS-232 output

Includes: Software diskette and computer cable

Part No.	Description	Wt. (lbs.)	1	10
134105CG	Sensor – voltage output	0.2	\$159.95	\$143.95
151482CG	Sensor – RS-232 output	1.0	179.95	161.95

Scrolling Message Kit 76-piece kit

Create your own scrolling message with this 35-LED graphic display kit. Press "SET" to change a particular character, "UP or DOWN" arrow to select the character, and end your scrolling message with the "<" character.

- 35-LED display
- Maximum 16 characters

Requires: 9 to 12VDC @ 20mA (recommend P/N 100845CG, pg 252)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
200310CG	MK124	3.5"L x 2.6"W x 1.8"H	0.2	\$24.95	\$22.45

Moving Message Board

Ideal for advertisements and meetings.

Two scrolling speeds and memory backup power (up to 3 months). Max. 600 characters can be programmed.

- 1.25" dot matrix LED display
- Large memory capacity: 4 messages + 1 alarm message
- Alarm message is activated by N.O. switch
- Select fast or slow scrolling speed
- Memorized data are saved by backup battery (2 x AAA-batteries)
- Power supply: 12VDC/500mA adapter included
- 10 characters wide display
- Low-battery indicator

Part No.	Product No.	Dimensions (external/display)	1	5
645474CG	MML-10	11.8"L x 3.5"W x 2.8"H/10.8"L x 1.4"H	\$151.95	\$144.35

Flashing LED Sweetheart Kit 46-piece kit

This kit shows a beating heart. Great for decorations!

- Power consumption: 8mA

Requires: 8 to 15VDC wall transformer (P/N 100095CG, pg 252) or 9VDC battery (P/N 151095CG, pg 262)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147555CG	MK101	2.5"L x 2.4"W x 1.2"H	0.1	\$11.95	\$10.95

Flashing LED Kit 23-piece kit

Activates 2 flashing LEDs for applications such as model building. Flashing speed controlled by potentiometers.

- 5.5" wire w/ 9V battery connector
- Consumption: 4mA min.

Requires: 9VDC battery (P/N 151095CG, pg 262)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147580CG	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19

2-Digit Serial LED Display w/ Interface Kit 46-piece kit

- Bright, red jumbo-sized 7-segment displays (57mm)
- Up to 255 units can be separately addressed
- Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/no parity/one stop bit
- Can be linked to create large readout for score-keeping, timing and counting

Part No.	Description	Dimensions	1	5
645221CG	2-digit serial LED kit	2.9"L x 2.3"W x 1.3"H	\$47.29	\$43.31

Lightbulb Kit 5-piece kit

Booklet & kit components provide a complete learning experience, from basic electricity to the effects of vacuum and different filament materials. Whether as a gift or as the basis of a prize-winning Science Fair presentation, this kit is the perfect choice for "bright" kids! Plus, the refurbishment pack (available separately) includes all materials needed to reuse the kit.

 **Blue Part No.** = Limited Quantity Available

Part No.	Description	1	10
285595CG	Build your own lightbulb kit	\$47.75	\$45.46
285616CG	Refurbishment filament pack for kit	12.15	11.58

Our enhanced website offers over 65,000 new products!
Find products quickly and order them easily.

Flashing Pumpkin Kit ■ 71-piece kit

- Random flash effect simulates flickering candle
- 1 extra high intensity yellow LED illuminates the pumpkin
- 25 bright LEDs • On/Off switch
- Size: 3.2"Hx4.0"Wx1.3"D

Requires: 9V battery (P/N 198791CG, pg 262)

Part No.	Product No.	1	10
236081CG	MK145	\$9.99	\$8.99



3D Flashing Christmas Tree Kit ■ 36-piece kit

- 16 flashing red LEDs
- Low power consumption: 8mA
- Extra green and yellow LEDs to customize your tree
- Size: 3.1"L x 3.5"W x 4.0"H

Requires: 9V battery (recommend P/N 151095CG, pg 262)

Part No.	Product No.	1	10
211781CG	MK130	\$10.95	\$9.95

Shown with Battery (not included)



Deluxe Christmas Tree Kit ■ 208-piece kit

- No need to remove battery when using external power supply
- 134 LEDs (green, yellow, and red) • Size: 3.2"W x 5.6"H
- Red LED simulates blinking candles

Requires: 12VDC @ 500mA power supply (recommend P/N 162996CG, pg 251) or 9V battery (recommend P/N 198791CG, pg 262)

Part No.	Product No.	1	10
236072CG	MK117	\$19.99	\$17.99



Santa Sleigh and Reindeer Kit ▲ 201-piece kit

- Make sure Santa shows up in your house this year! 126 multi-colored LEDs animate the movement of the reins, sleigh and reindeer legs.
- Board size: 5.7"L x 3.2"W

Requires: 9V battery (recommend P/N 198791CG, pg 262) or 12VDC power supply (recommend P/N 100853CG, pg 252)

Part No.	Product No.	1	10
211764CG	MK116	\$22.95	\$20.65



Flashing Christmas Tree Kit ● 30-piece kit

- 16 twinkling red LEDs
- Customize with included green and yellow LEDs
- Power: 9V battery (recommend P/N 198791CG, pg 262)

Part No.	Product No.	Price
147635CG	MK100	\$6.29



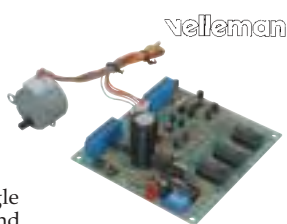
Motor Drive Kits

Stepper Motor Controller & Motor Kit ■ 102-piece kit

Useful in any home automation project where positioning is needed, such as controlling valves, HVAC duct dampers, natural light through window blinds, remotely turning down water heaters, or any robotic projects. This controller card can be used with P/N 128928CG (K8000 - computer interface board) and 16 of these kits can be connected to a single computer interface board. Both bipolar and unipolar motors can be used with this controller card (1A max.). Includes a high precision stepping motor (0.9 degree stepping angle).

- Adjustable drive speed
- Check status of switches via computer interface board or drive another motor
- Power supply: 7-25VAC or VDC @ 1.5A (recommend, P/N 237067CG, pg 252)
- Emergency stop can be sent to one or all cards
- Program in Visual Basic, Turbo Pascal for DOS & Quick Basic (Windows® 95/98/ME)

Part No.	Product No.	Dimensions	1	5
263628CG	K8005	3.9"L x 3.5"W	\$59.95	\$56.95



Fiber Optic Lab Kit ■

Kit contains nine fiber optic experiments and all the electronic components needed.

- Fiber optic cable transmission
- Characteristics of connectors and splices
- Speed of opto-electronic devices
- Making a light guide
- Index-matching procedures
- Receiver design
- Weight: 0.7 lbs.
- Fiber optic transmitter
- Fiber termination techniques

Part No.	Description	1	10
169914CG	Lab course and lab kit	\$44.95	\$41.39



Infrared Transmitter/Receiver Kit ● 26-piece kit

Transmit a 40kHz modulated IR signal a distance of 6' to 8'. Can be used as a remote switch to turn objects OFF and ON by infrared.

The IR receiver will only receive 40kHz modulated infrared light. You can configure the output for normally ON or normally OFF operation. This allows you to use it as a security sensor or as a remote control switch. You can use the receiver to test TV or VCR remote controls.

- Transmitter size: 1.0"L x 0.8"W • Receiver size: 1.4"L x 1.2"W

Requires: 6 to 15VDC battery (recommend P/N 151095CG, pg 262)

Part No.	Cross Ref. No.	Description	1	10
177092CG	IR-2	Transmitter/receiver	\$24.95	\$22.49



Power Supply Kits

veileman

1 Amp Power Supply Kit ■ 12-piece kit

Provides a regulated voltage adjustable between 1.2 and 35 volts at 1 amp. LM317 regulator gives you remarkably better ripple and regulation characteristics than conventional regulators.

- Output current max.: 1.5A • Max. input voltage: 40V
- Max. dissipation: 15W (cooled)

Requires: 25.2VCT @ 2A quick connect power transformer (recommend P/N 102103CG or equivalent, pg 256)

Part No.	Product No.	Dimensions	1	10
117621CG	K1823	2.1"L x 2.1"W	\$12.95	\$11.65



Dual Adj. Regulated Power Supply Kit ■ 48-piece kit

Build a dual adjustable power supply for your circuits.

- Adjustable positive/negative supplies ± 5 to ± 15 VDC, 175mA-750mA per supply • LED on indicator
- 120VAC input • PC board construction

Part No.	Cross Ref. No.	Dimensions	Wt. (lbs.)	1	10
20626CG	JE215	5.1"L x 3.5"W x 2.0"H	2.1	\$22.95	\$20.49



DC to Pulse-Width-Modulator Kit ▲ 40-piece kit

The circuit converts a DC voltage into a series of pulses, directly proportional to the value of the DC voltage.

- Operating voltage: 8 to 35VDC
- PWM frequency: 100Hz to 5kHz (adjustable)
- Min. consumption: 35mA • Max. output current: 6.5A
- Efficiency: better than 90% at full load
- Adjustable sensitivity: 2.5 to 35VDC
- PWM range: 0 to 100%

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
120539CG	K8004	3.3"L x 1.9"W x 1.8"H	0.5	\$22.95	\$20.49



DC Voltage Monitor Kit ● 46-piece kit

If battery status is important, you need this kit. It uses 7 LEDs to monitor 12VDC in 1V, 0.5V, or 0.25V steps. Monitor 8V or 5V in 0.25V steps. Great for boats, motor homes, model planes or race car NiCADs.

Part No.	Cross Ref. No.	Dimensions	1	10
181833CG	VM-1	2.7"L x 1.3"W	\$8.95	\$7.95



Velleman Micro Bug Kits

A brightly colored miniature bug-shaped robot that is attracted to light.

- Two open chassis sub-miniature motors
- LED "eyes" indicate driving direction
- Adjustable light sensitivity that suits almost any light conditions
- Stops in total darkness • Size: 4.0" x 2.4"

Requires: 2 AAA batteries (recommend P/N 249181CG, pg 262)

Part No.	Product No.	Description	Pieces	1	10
200328CG	MK127	Running	26	\$18.95	\$16.95
200336CG	MK129	Crawling	29	21.45	19.35



Velleman Remote Control by Telephone 116-piece kit

- Turn on or off up to three devices (lights; check alarm systems; water heater; garage doors)
- Check conditions of a switch (open or closed)
- Protected by a user-defined code
- Pick up after 3 or 8 rings (selectable)

Requires: 12VAC @ 300mA (P/N 101258CG, pg 254)

Includes: Relay for one output (10A/250VAC)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
120678CG	K6501	4.1"L x 5.1"W	0.7	\$69.49	\$62.59




Universal Relay Controller Card Kit 64-piece kit

An electronic controller that switches higher currents while providing insulation between the controller and the controlled devices.

- 8 channels expandable to 16 using 8 each P/N 144186CG
- Relay output: maximum 5A/220VAC
- TTL or 5V CMOS inputs (recommend P/N 34315CG, pg 42)
- Contact voltage: 12VDC @ 250mA

Requires: 220 or 125VAC power source

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
128910CG	K6714	8.3"L x 5.9"W	1.8	\$59.95	\$53.95
144186CG	VR15M121C relay (JZC-22F) 		0.028	3.79	3.39



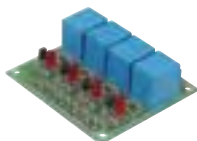
Relay Card 29-piece kit

Connecting a number of relays to the outputs of an electronic network may seem very simple, but in reality it could create some problems regarding the cabling. This kit provides an attractive and compact alternative. Easy to assemble and can be connected instantly.

- 4 x 3A relay outputs

Requires: 9VDC @ 300mA power supply (recommend P/N 133891CG, pg 252)

Part No.	Description	Dimensions	1	10
239476CG	Relay card kit	3.0"L x 2.7"W	\$19.99	\$18.99



USB Interface Card Module

Interface board has 5 digital input channels and 8 digital output channels. In addition, there are two analog inputs and two analog outputs with 8-bit resolution. Inputs/outputs can be expanded by connecting more cards to the PC's USB port (max. of four).

Diagnostic/Test Software

- Separate output/input test
- Clear all/set all function
- Counter function on inputs 1 and 2 with adjustable debounce
- Analog output set sliders
- Analog input bar-graph indication

Part No.	Description	1	10
645263CG	USB interface card module	\$65.55	\$64.49



OWI® Obstacle Avoidance Robot Kit 107-piece kit

Six crank motion legged robot utilizes an infrared light sensing system to find obstacles and maneuvers itself around them. This IR detection kit includes an infrared diode, photo diode, IC, 2 DC motors and all hardware.

Part No.	Description	Dimensions	Wt. (lbs.)	1	10
140821CG	Spider kit	12.0"L x 7.0"W x 3.5"H	1.2	\$51.49	\$46.89



Hovercraft Kit 25-piece kit

This super kit is fun to build and a "blast" to run, but there's a bonus: education! Through the kit's curriculum (available online), budding scientists and engineers will learn principles of electricity and circuits, propellers, conversion of energy and other core concepts. And at the end of the learning process, they'll have a cool, battery-powered hovering vehicle that can glide over any smooth surface, even water!



Part No.	Description	Price
285641CG	Hovercraft kit	\$21.79

OWI® Robotic Arm Trainer Kit 109-piece kit

Five Axes of Motion

Teaches basic robotic sensing and locomotion principles while testing your motor skills as you build and control the arm. This unit can be commanded or instructed through its five-switch wired controller with lights to grab, release, lift, lower, rotate wrist, and pivot sideways. Five motors and joints allow flexibility.

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- Shoulder movement @ 120°
- Elbow moving range @ 135°
- Wrist rotation clockwise or counter clockwise: 340°
- Rotates left to right at the base 350°
- Weight: 4.5 lbs.

Requires: 4 D batteries (recommend P/N 215845CG, pg 262)

Part No.	Description	1	10
157366CG	Robotic arm kit (unassembled)	\$75.79	\$68.25
159345CG	Robotic controller software (DOS 4.2 & up, Windows® 95/98) ...	84.95	76.49



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- New ultrasonic visual sensor responds to movement
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- Real sound speaker

Requires: 6 AA batteries required (not included)

Part No.	Description	Price
671998CG	Lego Mindstorms NXT kit	\$249.99





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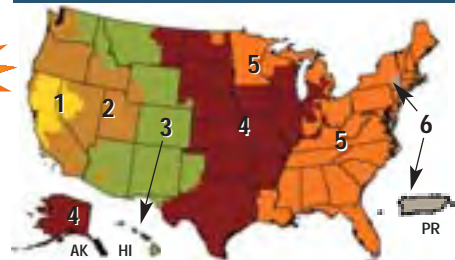
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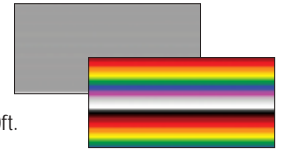
NEW

Flat Ribbon Cables

See pages 103 – 111 for more Cables

- Designed for general purpose interconnect applications
- Insulation: PVC – polyvinyl chloride
- Voltage rating: 300Vrms
- 0.050" pitch
- Insulation resistance: >10,000MΩ
- Dielectric withstanding voltage: 2,000Vrms

- 28AWG stranded (7 x 36) tinned copper
- Current rating: 1A/conductor
- Nom. conductor DC resistance: 68.2Ω/1000ft.



Gray

Part No.	Product No.	Conductors	1	2	5
689311CG	9L28010-H100-08	10	\$25.89	\$25.72	\$21.65
689320CG	9L28015-H100-08	15	40.45	36.73	30.92
689338CG	9L28016-H100-08	16	44.25	41.12	34.61
689346CG	9L28020-H100-08	20	55.89	51.69	43.52
689354CG	9L28024-H100-08	24	69.89	63.46	53.43
689362CG	9L28025-H100-08	25	77.99	72.09	60.69
689371CG	9L28026-H100-08	26	73.35	67.78	57.07
689389CG	9L28034-H100-08	34	96.85	89.56	75.39
689397CG	9L28036-H100-08	36	107.69	97.78	82.32
689400CG	9L24037-H100-08	37	102.29	99.29	83.59
689418CG	9L24040-H100-08	40	104.35	101.30	85.27
689426CG	9L24050-H100-08	50	136.69	125.21	105.40
689434CG	9L24060-H100-08	60	166.45	151.12	127.21
689442CG	9L24064-H100-08	64	177.25	160.91	135.45

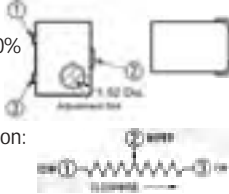
Rainbow (Multi-Color)

Part No.	Product No.	Conductors	1	2	5
689451CG	9R28010-000-100	10	\$69.95	\$63.14	\$53.10
689469CG	9R28014-000-100	14	98.99	89.36	75.15
689477CG	9R28016-000-100	16	106.59	102.91	86.55
689485CG	9R28020-000-100	20	140.95	137.64	121.58
689493CG	9R28024-000-100	24	168.35	151.99	127.81
689506CG	9R28025-000-100	25	176.69	159.53	134.15
689514CG	9R28026-000-100	26	183.35	165.52	139.18
689522CG	9R28034-000-100	34	237.69	214.59	180.45
689531CG	9R28037-000-100	37	227.95	214.49	198.06
689549CG	9R28040-000-100	40	280.79	253.50	213.17
689557CG	9R28050-000-100	50	330.49	319.09	268.33
689565CG	9R28060-000-100	60	422.55	381.52	320.82
689573CG	9R28064-000-100	64	449.05	405.43	340.93

4mm Square SMD, Multi-Turn Sealed Cermet Trimming Top Adjust (±10%)

3224W Series, 1/4W

- Resistance tolerance: ±10%
- 11 turns nominal
- Insulation resistance: (500VDC) 100MΩ min.
- Contact resistance variation: 1% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C (300V max.)



See pages 88 – 91 for more Potentiometers

Qty.	1	10	100
Price	\$2.89	\$2.81	\$2.73

Part No.	Product No.	Ohms
696239CG	3224W-1-101E	100
696247CG	3224W-1-102E	1k
696255CG	3224W-1-103E	10k
696263CG	3224W-1-104E	100k
696271CG	3224W-1-201E	200
696280CG	3224W-1-202E	2k
696298CG	3224W-1-203E	20k
696301CG	3224W-1-501E	500
696319CG	3224W-1-502E	5k
696327CG	3224W-1-503E	50k


3214W Series, 1/4W

- Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 100MΩ min.
- Contact resistance variation: 1% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C (300V max.)

Qty.	1	10	100
Price	\$2.89	\$1.74	\$1.69

Part No.	Product No.	Ohms
696167CG	3214W-1-102E	1k
696175CG	3214W-1-103E	10k
696183CG	3214W-1-104E	100k
696191CG	3214W-1-201E	200
696204CG	3214W-1-202E	2k
696212CG	3214W-1-203E	20k
696221CG	3214W-1-502E	5k

▲ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Micro-Fit™ .118" (3.0mm) Pitch Connectors

- Voltage: 250V
- Current: 5A
- Contact: Brass
- Solderable fitting nail provides retention to PCB
- Fully polarized to mating receptacle
- Contact resistance: 10mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 1,000MΩ min.
- Housing: high-temp. LCP (UL94V-0)

See page 139 for SMD Connectors

Single Row Right Angle SMD (Tin)

Part No.	Cross Ref. No.	Positions	1	10	100
338423CG	43650-0212	2	\$2.15	\$2.00	\$1.65
338458CG	43650-0312	3	2.35	2.27	1.84
338482CG	43650-0412	4	3.09	2.73	1.82
338511CG	43650-0512	5	2.75	2.52	2.14
338546CG	43650-0612	6	3.19	2.88	2.32

Single Row Right Angle SMD (Gold)

Part No.	Cross Ref. No.	Positions	1	10	100
338415CG	43650-0210	2	\$1.99	\$1.81	\$1.62
338440CG	43650-0310	3	2.65	2.35	2.02
338474CG	43650-0410	4	2.95	2.89	2.24
338503CG	43650-0510	5	3.15	2.89	2.42
338538CG	43650-0610	6	3.45	2.99	2.62

Protek 30MHz Dual Trace Oscilloscope with LCR Component Tester

- 3.15" x 3.94" CRT with graticule and scale
- Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)
- Horizontal sweep: 100ns/DIV to 0.2s/DIV in 20 steps (1-2-5 sequence)
- Triggering: external trigger input – 1MΩ ±5% impedance; maximum input voltage – 4-p)
- Input voltage: 120VAC or 220VAC @ 50/60Hz

See page 298 for more Oscilloscopes

Part No.	Product No.	Size (W" x D" x H")	Wt. (lbs.)	1	5	10
1536819CG	PROTEK 6030	12.2 x 16.45 x 5.1	14.3	\$463.05	\$453.99	\$446.99



Protek 30MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule and scale
- Vertical amplifier: 5mV/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/Div to 0.5s/Div in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz

Part No.	Product No.	Size (W" x D" x H")	Wt. (lbs.)	1	5	10
1536801CG	PROTEK 6020	12.5 x 15.75 x 5.1	16.0	\$425.99	\$419.99	\$399.99



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